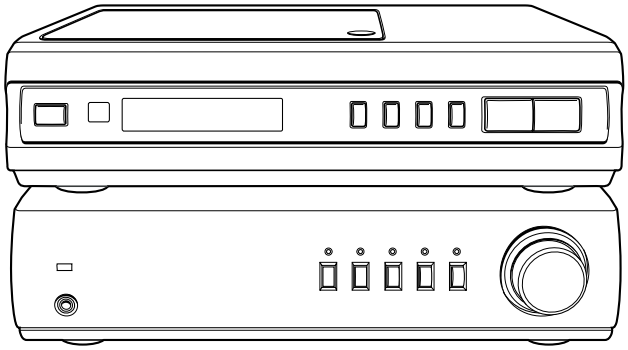
HT-DV1 U (S)

XD-DV1



XA-DV1

SERVICE MANUAL

DVD/DIGITAL AMP/5.1CH
SPEAKER SYSTEM

BASIC DVD/CD MECHANISM : KHM-230

SYSTEM	DTS DECODER	DVD PLAYER	SPEAKER
HT-DV1	XA-DV1	XD-DV1	SX-DV1

aiwa

S/M Code No. 09-02A-362-9R3

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DVD player XD-DV1

Power supply	6.3 V DC, 1.5 A
Weight	770 g (1 lb 11 oz)
External dimensions	230 × 62.5 × 189 mm (9 1/8 × 2 1/2 × 7 1/2 in.) (w × h × d)
Laser	Semiconductor laser, wavelength: 650/780 nm
Signal format	NTSC
Supported discs	DVD video discs: 12-cm discs (single-sided single layer, single-sided double layer, double-sided double layer), 8-cm discs (single-sided single layer, single-sided double layer, double-sided double layer) Compact discs (CD-DA, video CD, MP3 discs): 12-cm and 8-cm discs
Video composite output	1.0 Vp-p (75 ohms, sync negative) RCA jack × 1
S-video output	Y output: 1.0 Vp-p (75 ohms, sync negative) C output: 0.286 Vp-p (75 ohms) 4-pin Mini DIN jack × 1
Audio output	Analog output: 130 mV RMS (1 kHz, —20dB) RCA jack (L/R) × 1 Digital output: Fibre optic connector × 1
Audio output characteristics	Frequency range: CD/VCD: 20 Hz to 20 kHz DVD: 20 Hz to 22 kHz (48-kHz/96-kHz sampling)

Amplifier XA-DV1

Maximum effective output power	FRONT L/R: 30 W + 30 W (1 kHz, 8 ohms, 10%) EIAJ SURROUND L/R: 30 W + 30 W (1 kHz, 8 ohms, 10%) EIAJ CENTER: 30 W (1 kHz, 8 ohms, 10%) EIAJ SUB WOOFER: 30 W (100 Hz, 8 ohms, 10%) EIAJ
Output terminals	FRONT SPEAKERS: 8 ohms SURROUND SPEAKERS: 8 ohms CENTER SPEAKER: 8 ohms SUB WOOFER: 8 ohms PHONES: 32 ohms
Power supply	120 V AC, 60 Hz
Power consumption	50 W (operation mode) 3.2 W (standby mode)
Weight	1.4 kg (3 lbs 1 oz)
External dimensions	230 × 62.5 × 210.6 mm (9 1/8 × 2 1/2 × 8 3/8 in.) (w × h × d)

Speaker system SX-DV1

Speaker type	Front/surround/center: 8-cm (3 1/4 in.) full range cone type Subwoofer: 13 cm (5 1/8 in.), bass reflex type
External dimensions	Front/surround/center: 96 × 96.5 × 96.5 mm (3 28/32 × 3 29/32 × 3 29/32 in.) (w × h × d) Subwoofer: 160 205 235 mm (6 3/8 × 8 1/8 × 9 3/8 in.) (w × h × d)
Weight	Front/surround/center: 0.52 kg (1 lb 2 oz) Subwoofer: 3.0 kg (6 lbs 10 oz)

General

Operating temperatures	5°C to 35°C (41°F to 95°F)

• Specifications are subject to change without notice.

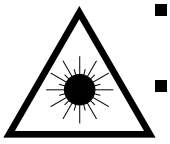
CAUTION

- **Lithium battery (CR2025) for the remote control**
  Replace the battery with Hitachi Maxell or Panasonic, Part No. CR2025 only. Use of another battery may present a risk of fire or explosion.
  The battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.
- Do not keep metallic objects such as rings, bracelets, and keys near the battery. They may cause the battery to short circuit.
- After removing the battery, be sure to keep it out of reach of children. If it is swallowed, consult a doctor immediately.

PROTECTION EYES FROM LASER BEAM DURING SERVICING -1/1

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling vedåbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsÊttelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saataa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herin may result in hazardous radiation exposure.

ATTENTION
L'utillisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL
Usynlig laserstråling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

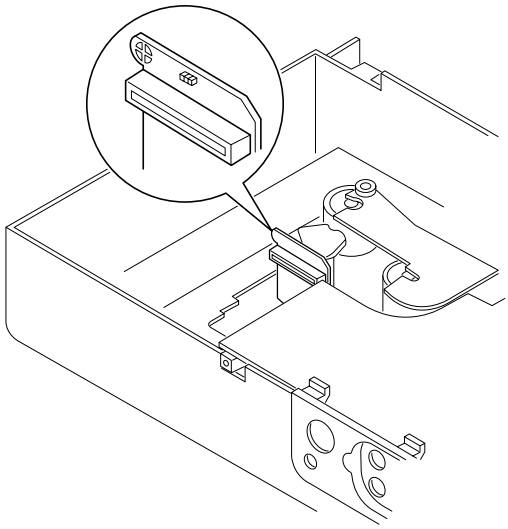
Precaution to replace Optical block

(KHM-230)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in right figure.

CD PICK-UP Assy PWB

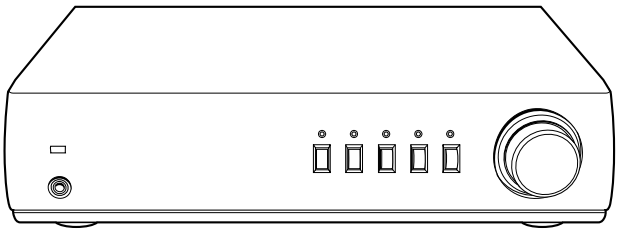


ACCESSORIES PARTS LIST -1/1

! = ⚠ SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						HT-DV1 USM
		O	AS1001	8C-AV5-903-010	IB,U(ES)M HT-DV1	a
		O	AS1002	8C-AV5-620-010	RC UNIT,RC-CVL03	a
	!	O	AS1003	87-A80-200-010	AC CORD SET ASSY,U BLK 10A	a
		O	AS1004	87-A80-205-010	CORD,DC POWER	a
		O	AS1005	87-A80-167-010	CORD,PIN 1PY 150CM	a
		O	AS1006	8C-AA5-215-010	FOOT ASSY,U	a

XA-DV1 U (S)



SERVICE MANUAL

30W X 6, DOLBY DIGITAL/DTS DECODER

aiwa

DATA

! = ⚠ SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XA-SDV1 USM
AMP MAIN		O	C 0101	87-010-405-080	CAP,E 10-50 M 11L SME	a
AMP MAIN		O	C 0102	87-A12-080-080	CAP,E 220-35 SMG	a
AMP MAIN		O	C 0103	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
AMP MAIN		O	C 0104	87-A12-077-080	CAP,E 33-35 SMG	a
AMP MAIN		O	C 0105	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
AMP MAIN		O	C 0107	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
AMP MAIN		O	C 0110	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
AMP MAIN		O	C 0301	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0302	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0303	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0304	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0305	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0306	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0307	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0309	87-A13-055-080	CAP,E 220-35 M 105 KY 12.5L	a
AMP MAIN		X	C 0312	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		X	C 0313	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		X	C 0314	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		X	C 0315	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		O	C 0316	87-016-669-080	C-CAP,S 0.1-25 K B	a
						XA-SDV1 USM
AMP MAIN		O	C 0317	87-010-251-040	CAP,E 10-35 M 5L SRE	a
AMP MAIN		O	C 0318	87-A12-319-080	C-CAP,U 0.1-25 K B	a
AMP MAIN		O	C 0319	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
AMP MAIN		O	C 0320	87-A12-319-080	C-CAP,U 0.1-25 K B	a
AMP MAIN		O	C 0321	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0322	87-010-251-040	CAP,E 10-35 M 5L SRE	a
AMP MAIN		O	C 0323	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
AMP MAIN		O	C 0324	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
AMP MAIN		O	C 0325	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
AMP MAIN		O	C 0326	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a
AMP MAIN		O	C 0327	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a
AMP MAIN		O	C 0328	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
AMP MAIN		O	C 0329	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
AMP MAIN		O	C 0330	87-010-264-080	CAP,E 100-10 M 5L SRE	a
AMP MAIN		O	C 0331	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
AMP MAIN		X	C 0332	88-700-910-810	CAP,M 0.1-50 J AMZV	a
AMP MAIN		O	C 0333	87-A12-434-080	C-CAP, 0.1-100 K X7R GHM1530	a
AMP MAIN		X	C 0334	88-700-910-810	CAP,M 0.1-50 J AMZV	a
AMP MAIN		O	C 0335	87-A12-434-080	C-CAP, 0.1-100 K X7R GHM1530	a
AMP MAIN		O	C 0336	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
						XA-SDV1 USM
AMP MAIN		O	C 0337	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0338	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0339	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0341	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0342	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
AMP MAIN		O	C 0343	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
AMP MAIN		O	C 0344	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
AMP MAIN		O	C 0345	87-A13-159-010	CAP,E 220-25 M BP VP	a
AMP MAIN		O	C 0346	87-A13-160-080	CAP,E 220-25 M 10*12.5 BP NA	a
AMP MAIN		O	C 0401	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0402	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0403	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0404	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0405	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0406	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
AMP MAIN		O	C 0407	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0408	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
AMP MAIN		O	C 0409	87-A13-055-080	CAP,E 220-35 M 105 KY 12.5L	a
AMP MAIN		X	C 0412	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		X	C 0413	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
						XA-SDV1 USM
AMP MAIN		X	C 0414	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		X	C 0415	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		O	C 0416	87-016-669-080	C-CAP,S 0.1-25 K B	a
AMP MAIN		O	C 0417	87-010-251-040	CAP,E 10-35 M 5L SRE	a
AMP MAIN		O	C 0418	87-A12-319-080	C-CAP,U 0.1-25 K B	a
AMP MAIN		O	C 0419	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
AMP MAIN		O	C 0420	87-A12-319-080	C-CAP,U 0.1-25 K B	a
AMP MAIN		O	C 0421	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0422	87-010-251-040	CAP,E 10-35 M 5L SRE	a
AMP MAIN		O	C 0423	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
AMP MAIN		O	C 0424	87-012-196-080	C-CAP,U 120P-50 J CH GRM	a
AMP MAIN		O	C 0425	87-012-196-080	C-CAP,U 120P-50 J CH GRM	a
AMP MAIN		O	C 0426	87-012-197-080	C-CAP,U 150P-50 J CH GRM	a
AMP MAIN		O	C 0427	87-012-197-080	C-CAP,U 150P-50 J CH GRM	a
AMP MAIN		O	C 0428	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
AMP MAIN		O	C 0429	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
AMP MAIN		O	C 0430	87-010-264-080	CAP,E 100-10 M 5L SRE	a
AMP MAIN		O	C 0431	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
AMP MAIN		X	C 0432	88-700-910-810	CAP,M 0.1-50 J AMZV	a
AMP MAIN		O	C 0433	87-A12-434-080	C-CAP, 0.1-100 K X7R GHM1530	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XA-SDV1 USM
AMP MAIN		X	C 0434	88-700-910-810	CAP,M 0.1-50 J AMZV	a
AMP MAIN		O	C 0435	87-A12-434-080	C-CAP, 0.1-100 K X7R GHM1530	a
AMP MAIN		O	C 0436	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0437	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0438	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0439	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0441	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0442	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0443	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		X	C 0444	88-118-000-080	C-JUMPER,S	a
AMP MAIN		O	C 0445	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
AMP MAIN		O	C 0451	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0452	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0453	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0454	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0455	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0456	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0457	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0459	87-A13-055-080	CAP,E 220-35 M 105 KY 12.5L	a
AMP MAIN		X	C 0462	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
						XA-SDV1 USM
AMP MAIN		X	C 0463	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		X	C 0464	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		X	C 0465	88-710-949-810	CAP,M 0.47-50 J TFL ECQV	a
AMP MAIN		O	C 0466	87-016-669-080	C-CAP,S 0.1-25 K B	a
AMP MAIN		O	C 0467	87-010-251-040	CAP,E 10-35 M 5L SRE	a
AMP MAIN		O	C 0468	87-A12-319-080	C-CAP,U 0.1-25 K B	a
AMP MAIN		O	C 0469	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
AMP MAIN		O	C 0470	87-A12-319-080	C-CAP,U 0.1-25 K B	a
AMP MAIN		O	C 0471	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0472	87-010-251-040	CAP,E 10-35 M 5L SRE	a
AMP MAIN		O	C 0473	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
AMP MAIN		O	C 0474	87-012-191-080	C-CAP,U 68P-50 J CH GRM	a
AMP MAIN		O	C 0475	87-012-191-080	C-CAP,U 68P-50 J CH GRM	a
AMP MAIN		O	C 0476	87-012-193-080	C-CAP,U 82P-50 J CH GRM	a
AMP MAIN		O	C 0477	87-012-193-080	C-CAP,U 82P-50 J CH GRM	a
AMP MAIN		O	C 0478	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
AMP MAIN		O	C 0479	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
AMP MAIN		O	C 0480	87-010-264-080	CAP,E 100-10 M 5L SRE	a
AMP MAIN		O	C 0481	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
AMP MAIN		X	C 0482	88-700-910-810	CAP,M 0.1-50 J AMZV	a
						XA-SDV1 USM
AMP MAIN		O	C 0483	87-A12-434-080	C-CAP, 0.1-100 K X7R GHM1530	a
AMP MAIN		X	C 0484	88-700-910-810	CAP,M 0.1-50 J AMZV	a
AMP MAIN		O	C 0485	87-A12-434-080	C-CAP, 0.1-100 K X7R GHM1530	a
AMP MAIN		O	C 0486	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0487	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0488	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0489	87-010-190-080	C-CAP,S 0.01-50 Z F C2012	a
AMP MAIN		O	C 0491	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0502	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
AMP MAIN		O	C 0503	87-A10-918-080	CAP,E 100-16 SMG	a
AMP MAIN		O	C 0504	87-010-401-080	CAP,E 1-50 M 11L SME	a
AMP MAIN		O	C 0505	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a
AMP MAIN		O	C 0507	87-010-401-080	CAP,E 1-50 M 11L SME	a
AMP MAIN		O	C 0508	87-012-199-080	C-CAP,U 220P-50 J CH GRM	a
AMP MAIN		O	C 0509	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
AMP MAIN		O	C 0510	87-A10-918-080	CAP,E 100-16 SMG	a
AMP MAIN		O	C 0511	87-A12-069-080	CAP,E 22-25 SMG	a
AMP MAIN		O	C 0512	87-A12-069-080	CAP,E 22-25 SMG	a
AMP MAIN		O	C 0513	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
AMP MAIN		O	C 0514	87-010-401-080	CAP,E 1-50 M 11L SME	a
						XA-SDV1 USM
AMP MAIN		O	C 0515	87-010-401-080	CAP,E 1-50 M 11L SME	a
AMP MAIN	!	O	C 0801	87-A11-353-010	CAP,M/P 0.22-275 M ECQUL	a
AMP MAIN	!	O	C 0802	87-A11-353-010	CAP,M/P 0.22-275 M ECQUL	a
AMP MAIN	!	O	C 0803	87-A13-006-090	CAP,AC CER 2200P-250 M E KX	a
AMP MAIN	!	O	C 0804	87-A13-006-090	CAP,AC CER 2200P-250 M E KX	a
AMP MAIN		O	C 0805	87-012-193-080	C-CAP,U 82P-50 J CH GRM	a
AMP MAIN	!	O	C 0806	87-A12-297-090	CAP,E 680-200 M 25B SMH	a
AMP MAIN	!	O	C 0808	87-A10-474-090	CAP,PP 0.01-1.25K H PHS	a
AMP MAIN	!	O	C 0810	87-A12-848-090	CAP,PP 1800P-630 J ECQF6(ZH)	a
AMP MAIN		O	C 0811	87-016-369-080	C-CAP,S 0.033-25 K B GRM	a
AMP MAIN		O	C 0813	87-A12-095-080	CAP,E 100-50 SMG	a
AMP MAIN		O	C 0814	87-010-198-080	C-CAP,S 0.022-25 K B C2012	a
AMP MAIN		O	C 0815	87-A12-094-080	CAP,E 47-50 SMG	a
AMP MAIN		O	C 0817	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
AMP MAIN		O	C 0820	87-A12-091-080	CAP,E 10-50 SMG	a
AMP MAIN		O	C 0821	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
AMP MAIN		O	C 0822	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
AMP MAIN		O	C 0823	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
AMP MAIN		O	C 0824	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
AMP MAIN		O	C 0825	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a

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						XA-SDV1 USM
AMP MAIN	!	O	C 0830	87-A10-833-090	CAP,CER 1000P-2K K R	a
AMP MAIN		O	C 0831	87-A12-972-090	CAP,E 2200-35 M 105 M25 KY	a
AMP MAIN		O	C 0832	87-A12-972-090	CAP,E 2200-35 M 105 M25 KY	a
AMP MAIN		O	C 0833	87-A12-972-090	CAP,E 2200-35 M 105 M25 KY	a
AMP MAIN		O	C 0834	87-016-045-080	CAP,E 1000-6.3 M SMG	a
AMP MAIN		O	C 0837	87-A12-074-080	CAP,E 470-25 SMG	a
AMP MAIN		O	C 0838	87-A12-091-080	CAP,E 10-50 SMG	a
AMP MAIN		O	C 0841	87-010-184-080	C-CAP,S 3300P-50 K B C2012	a
AMP MAIN		O	C 0842	87-016-669-080	C-CAP,S 0.1-25 K B	a
AMP MAIN		O	C 0847	87-A12-092-080	CAP,E 22-50 SMG	a
AMP MAIN		O	C 0848	87-A12-092-080	CAP,E 22-50 SMG	a
AMP MAIN		O	C 0849	87-A12-092-080	CAP,E 22-50 SMG	a
AMP MAIN		O	C 0850	87-A12-074-080	CAP,E 470-25 SMG	a
AMP MAIN		O	C 0852	87-A12-092-080	CAP,E 22-50 SMG	a
AMP MAIN		O	C 0853	87-A13-001-080	CAP,E 470-25 M 105 KY 8*20	a
AMP MAIN		O	C 0854	87-010-178-080	C-CAP,S 1000P-50 K B C2012	a
AMP MAIN		O	C 0855	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
AMP MAIN		O	C 0856	87-A12-307-080	C-CAP,S 0.1-50 K B	a
AMP MAIN		O	C 0857	87-010-382-080	CAP,E 22-25 M 11L SME	a
AMP MAIN		O	C 0858	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
						XA-SDV1 USM
AMP MAIN		O	C 0859	87-A10-918-080	CAP,E 100-16 SMG	a
AMP MAIN		O	C 0860	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
AMP MAIN		O	C 0861	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
AMP MAIN		O	CN 0201	87-A60-051-010	CONN,19P V 9604S-19C	a
AMP MAIN		O	CN 0204	87-A60-316-010	CONN,19P TUC-P19P-B1	a
AMP MAIN		O	CN 0205	87-A60-539-010	CONN,5P V TUC-P05P-B1	a
AMP MAIN		O	CN 0501	87-A60-063-010	CONN,04P V 9604S-04C	a
AMP MAIN		O	CN 0603	87-A60-316-010	CONN,19P TUC-P19P-B1	a
AMP MAIN		O	CN 0604	87-099-564-010	CONN,4P V TUC-P4P-B1	a
AMP MAIN		O	CN 0801	87-009-030-010	CONN,2P V WHT PH	a
AMP MAIN		S	D 0101	87-A40-269-080	C-DIODE,MC2836	a
AMP MAIN		X	D 0103	88-118-000-080	C-JUMPER,S	a
AMP MAIN		S	D 0301	87-017-779-080	C-DIODE,1SS355	a
AMP MAIN		S	D 0302	87-A40-270-080	C-DIODE,MC2838	a
AMP MAIN		S	D 0401	87-017-779-080	C-DIODE,1SS355	a
AMP MAIN		S	D 0402	87-A40-270-080	C-DIODE,MC2838	a
AMP MAIN		S	D 0451	87-017-779-080	C-DIODE,1SS355	a
AMP MAIN		S	D 0452	87-A40-270-080	C-DIODE,MC2838	a
AMP MAIN		O	D 0801	87-A91-895-090	VRIS,TNR10V221K	a
AMP MAIN		S	D 0802	87-017-654-060	DIODE,GBU6JL6131	a
						XA-SDV1 USM
AMP MAIN		S	D 0803	87-A40-856-080	DIODE,UF4007	a
AMP MAIN		O	D 0804	87-A41-108-080	DIODE,11EQS03L	a
AMP MAIN		S	D 0805	87-A40-286-080	DIODE,RGP10JE-5025	a
AMP MAIN		S	D 0806	87-A40-660-040	C-DIODE,BAS316	a
AMP MAIN		S	D 0810	87-A41-133-040	C-ZENER,UDZS11B	a
AMP MAIN		S	D 0829	87-A40-660-040	C-DIODE,BAS316	a
AMP MAIN		S	D 0830	87-A41-134-010	DIODE,YG906C2R	a
AMP MAIN		S	D 0832	87-A40-286-050	DIODE,RGP10JE-5025	a
AMP MAIN		S	D 0833	87-A40-874-040	C-ZENER,UDZS 5.6B	a
AMP MAIN		S	D 0834	87-A40-286-050	DIODE,RGP10JE-5025	a
AMP MAIN		S	D 0835	87-A40-660-040	C-DIODE,BAS316	a
AMP MAIN		S	D 0836	87-A40-660-040	C-DIODE,BAS316	a
AMP MAIN		S	D 0839	87-A40-660-040	C-DIODE,BAS316	a
AMP MAIN		S	D 0840	87-A40-660-040	C-DIODE,BAS316	a
AMP MAIN		S	D 0842	87-A40-660-040	C-DIODE,BAS316	a
AMP MAIN		S	D 0852	87-A40-851-090	DIODE,31DQ04(F)	a
AMP MAIN		S	D 0855	87-A40-756-080	ZENER,UZ7.5BSB	a
AMP MAIN		S	D 0856	87-A40-660-040	C-DIODE,BAS316	a
AMP MAIN	!	S	F 0801	87-A91-230-010	FUSE,4A 125V T 51S	a
AMP MAIN		O	FB 0452	87-008-372-080	FLTR,EMI BL01 RN1	a
						XA-SDV1 USM
AMP MAIN	!	O	FC 0801	87-033-213-080	FUSE CLAMP,PFC5000	a
AMP MAIN	!	O	FC 0802	87-033-213-080	FUSE CLAMP,PFC5000	a
AMP MAIN	!	S	FR 0802	87-A01-139-090	RES,FUSE 680-1/2W J RF50SL12.5	a
AMP MAIN		X	HT 0801	8C-AA5-209-010	HT-SINK,ASSY PW	a
AMP MAIN		X	HT 0830	87-A92-376-010	HT-SINK,BPUE26-30 11.6DG/W	a
AMP MAIN		S	IC 0101	87-001-608-080	C-IC,NJM2903M	a
AMP MAIN		S	IC 0301	87-A22-310-040	C-IC,TP2050	a
AMP MAIN		S	IC 0302	87-A22-241-040	C-IC,TA2025	a
AMP MAIN		S	IC 0401	87-A22-310-040	C-IC,TP2050	a
AMP MAIN		S	IC 0402	87-A22-241-040	C-IC,TA2025	a
AMP MAIN		S	IC 0451	87-A22-310-040	C-IC,TP2050	a
AMP MAIN		S	IC 0452	87-A22-241-040	C-IC,TA2025	a
AMP MAIN		S	IC 0501	87-A21-823-040	C-IC,NJM4556AM	a
AMP MAIN		S	IC 0801	87-A22-015-010	IC,TEA1507P	a
AMP MAIN		S	IC 0831	87-020-969-010	IC,NJM78M09FA	a
AMP MAIN		S	IC 0832	87-A20-830-010	IC,BA05T	a
AMP MAIN		S	IC 0833	87-020-970-010	IC,NJM79L09	a
AMP MAIN		S	IC 0834	87-A22-231-080	IC,HA17431PA	a
AMP MAIN		S	IC 0835	87-A22-288-090	IC,PQ1CG2032FZ	a
AMP MAIN		O	J 0201	87-A61-744-010	CONN,13P V WHT 52328-1310	a

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						XA-SDV1 USM
AMP MAIN		O	J 0301	87-A61-824-010	TERMINAL,SP 4P LQR1410-0956G	a
AMP MAIN		O	J 0401	87-A61-825-010	TERMINAL,SP 8P LQR1810-0656G	a
AMP MAIN	!	O	J 0801	87-A61-741-010	JACK,AC U HSC0610	a
AMP MAIN		O	J 0802	87-A61-826-010	JACK,DC 4.4 6.3 W/SW HEC3690	a
AMP MAIN		X	JR 0850	88-108-000-080	C-JUMPER,U	a
AMP MAIN		X	JR 0853	88-118-000-080	C-JUMPER,S	a
AMP MAIN		X	JW 0803	88-100-000-010	PLATING-JW, 0.58 SN95	a
AMP MAIN		O	JW 0804	87-A00-454-090	RES,FUSE 1-1/4W J	a
AMP MAIN		X	JW 0805	88-100-000-010	PLATING-JW, 0.58 SN95	a
AMP MAIN		X	JW 0806	88-100-000-010	PLATING-JW, 0.58 SN95	a
AMP MAIN		X	JW 0807	88-100-000-010	PLATING-JW, 0.58 SN95	a
AMP MAIN		X	JW 0809	88-100-000-010	PLATING-JW, 0.58 SN95	a
AMP MAIN		X	JW 0811	88-100-000-010	PLATING-JW, 0.58 SN95	a
AMP MAIN		X	JW 0820	88-100-000-010	PLATING-JW, 0.58 SN95	a
AMP MAIN		O	L 0301	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0302	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0303	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0304	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0401	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0402	87-A50-696-010	COIL,10UH 7310	a
						XA-SDV1 USM
AMP MAIN		O	L 0403	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0404	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0451	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0452	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0453	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0454	87-A50-696-010	COIL,10UH 7310	a
AMP MAIN		O	L 0455	87-005-614-080	COIL,100UH J LAV35	a
AMP MAIN		O	L 0801	87-005-614-080	COIL,100UH J LAV35	a
AMP MAIN		O	L 0803	87-A50-777-010	COIL,150UH K ELC10D151HN	a
AMP MAIN	!	O	LF 0801	87-A91-626-010	FLTR,LINE ELF21V018A	a
AMP MAIN	!	S	PR 0801	87-A91-970-080	FUSE,5A 125V F 20N	a
AMP MAIN	!	S	PR 0802	87-A91-970-080	FUSE,5A 125V F 20N	a
AMP MAIN	!	S	PR 0803	87-A91-970-080	FUSE,5A 125V F 20N	a
AMP MAIN	!	S	PR 0804	87-A91-968-080	FUSE,3.5A 125V F 20N	a
AMP MAIN	!	S	PR 0806	87-A91-968-080	FUSE,3.5A 125V F 20N	a
AMP MAIN	!	S	PR 0807	87-A91-966-080	FUSE,3A 125V F 20N	a
AMP MAIN	!	O	PS 0801	87-A91-395-010	P-COUPLER,ON3131-R	a
AMP MAIN	!	O	PT 0801	8C-AA5-630-010	PT,D SW CAA-5	a
AMP MAIN		S	Q 0101	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0102	87-A30-087-080	C-FET,2SK2158	a
						XA-SDV1 USM
AMP MAIN		S	Q 0104	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0105	89-320-011-080	TR,2SC2001K	a
AMP MAIN		S	Q 0107	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0108	87-A30-435-040	C-TR,DTC144EKA	a
AMP MAIN		S	Q 0301	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0302	87-A30-282-040	C-TR,DTA114TKA	a
AMP MAIN		S	Q 0304	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0401	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0402	87-A30-282-040	C-TR,DTA114TKA	a
AMP MAIN		S	Q 0404	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0451	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0452	87-A30-282-040	C-TR,DTA114TKA	a
AMP MAIN		S	Q 0454	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0501	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0502	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0801	87-A30-690-010	FET,2SK3451-01MR	a
AMP MAIN		S	Q 0802	89-324-122-040	C-TR,2SC2412KR	a
AMP MAIN		S	Q 0830	89-341-165-080	C-TR,2SC4116GR	a
AMP MAIN		S	Q 0832	89-341-165-080	C-TR,2SC4116GR	a
AMP MAIN		S	Q 0838	89-115-884-080	C-TR,2SA1588Y	a
						XA-SDV1 USM
AMP MAIN		S	Q 0840	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0852	89-324-122-040	C-TR,2SC2412KR	a
AMP MAIN		S	Q 0853	87-A30-087-080	C-FET,2SK2158	a
AMP MAIN		S	Q 0862	89-112-965-080	TR,2SA1296GR	a
AMP MAIN		X	R 0101	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		X	R 0102	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		O	R 0103	88-108-223-080	C-RES,U 22K-1/16W J	a
AMP MAIN		O	R 0104	88-108-332-080	C-RES,U 3.3K-1/16W J	a
AMP MAIN		O	R 0105	88-108-102-080	C-RES,U 1K-1/16W J	a
AMP MAIN		X	R 0106	88-108-472-080	C-RES,U 4.7K-1/16W J	a
AMP MAIN		X	R 0107	88-108-472-080	C-RES,U 4.7K-1/16W J	a
AMP MAIN		O	R 0108	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O	R 0109	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O	R 0110	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O	R 0111	88-108-223-080	C-RES,U 22K-1/16W J	a
AMP MAIN		X	R 0112	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		O	R 0113	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O	R 0114	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		X	R 0116	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		O	R 0117	88-108-123-080	C-RES,U 12K-1/16W J	a

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						XA-SDV1 USM
AMP MAIN		X R	0118	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		O R	0120	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		X R	0303	88-108-472-080	C-RES,U 4.7K-1/16W J	a
AMP MAIN		O R	0304	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0305	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0306	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0307	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0308	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0311	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0312	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0313	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0314	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0315	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0316	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		X R	0317	88-108-105-080	C-RES,U 1M-1/16W J	a
AMP MAIN		X R	0318	88-108-105-080	C-RES,U 1M-1/16W J	a
AMP MAIN		O R	0319	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0320	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		X R	0321	88-108-243-080	C-RES,U 24K-1/16W J	a
AMP MAIN		O R	0323	88-108-123-080	C-RES,U 12K-1/16W J	a
						XA-SDV1 USM
AMP MAIN		O R	0324	88-108-822-080	C-RES,U 8.2K-1/16W J	a
AMP MAIN	!	O R	0325	87-A00-933-050	RES,M/F 10-2W J	a
AMP MAIN	!	O R	0326	87-A00-933-050	RES,M/F 10-2W J	a
AMP MAIN		O R	0330	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0331	88-108-562-080	C-RES,U 5.6K-1/16W J	a
AMP MAIN		O R	0332	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		X R	0334	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		O R	0344	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0346	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		X R	0403	88-108-472-080	C-RES,U 4.7K-1/16W J	a
AMP MAIN		O R	0404	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0405	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0406	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0407	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0408	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0411	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0412	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0413	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0414	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0415	88-108-103-080	C-RES,U 10K-1/16W J	a
						XA-SDV1 USM
AMP MAIN		O R	0416	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		X R	0417	88-108-105-080	C-RES,U 1M-1/16W J	a
AMP MAIN		X R	0418	88-108-105-080	C-RES,U 1M-1/16W J	a
AMP MAIN		O R	0419	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0420	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		X R	0421	88-108-243-080	C-RES,U 24K-1/16W J	a
AMP MAIN		O R	0423	88-108-123-080	C-RES,U 12K-1/16W J	a
AMP MAIN		O R	0424	88-108-822-080	C-RES,U 8.2K-1/16W J	a
AMP MAIN	!	O R	0425	87-A00-933-050	RES,M/F 10-2W J	a
AMP MAIN	!	O R	0426	87-A00-933-050	RES,M/F 10-2W J	a
AMP MAIN		O R	0430	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0431	88-108-562-080	C-RES,U 5.6K-1/16W J	a
AMP MAIN		O R	0432	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		X R	0434	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		O R	0444	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0446	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		X R	0453	88-108-472-080	C-RES,U 4.7K-1/16W J	a
AMP MAIN		O R	0454	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0455	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0456	87-022-241-080	C-RES,U 12K-1/16W F	a
						XA-SDV1 USM
AMP MAIN		O R	0457	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0458	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0461	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0462	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0463	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		O R	0464	87-022-241-080	C-RES,U 12K-1/16W F	a
AMP MAIN		X R	0465	88-108-472-080	C-RES,U 4.7K-1/16W J	a
AMP MAIN		O R	0466	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		X R	0467	88-108-105-080	C-RES,U 1M-1/16W J	a
AMP MAIN		X R	0468	88-108-105-080	C-RES,U 1M-1/16W J	a
AMP MAIN		O R	0469	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0470	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		X R	0471	88-108-243-080	C-RES,U 24K-1/16W J	a
AMP MAIN		O R	0473	88-108-123-080	C-RES,U 12K-1/16W J	a
AMP MAIN		O R	0474	88-108-822-080	C-RES,U 8.2K-1/16W J	a
AMP MAIN	!	O R	0475	87-A00-933-050	RES,M/F 10-2W J	a
AMP MAIN	!	O R	0476	87-A00-933-050	RES,M/F 10-2W J	a
AMP MAIN		O R	0480	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0481	88-108-562-080	C-RES,U 5.6K-1/16W J	a
AMP MAIN		O R	0482	88-108-103-080	C-RES,U 10K-1/16W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XA-SDV1 USM
AMP MAIN		X R	0484	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		O R	0494	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0496	87-022-215-080	C-RES,U 1K-1/16W F	a
AMP MAIN		O R	0501	88-108-102-080	C-RES,U 1K-1/16W J	a
AMP MAIN		O R	0502	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		O R	0503	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		X R	0504	88-108-471-080	C-RES,U 470-1/16W J	a
AMP MAIN		O R	0505	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		O R	0506	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		O R	0507	88-108-102-080	C-RES,U 1K-1/16W J	a
AMP MAIN		O R	0508	88-108-473-080	C-RES,U 47K-1/16W J	a
AMP MAIN		X R	0509	88-108-471-080	C-RES,U 470-1/16W J	a
AMP MAIN		O R	0510	88-108-103-080	C-RES,U 10K-1/16W J	a
AMP MAIN		X R	0511	88-128-181-080	C-RES, 180-1/8W J	a
AMP MAIN		X R	0512	88-128-181-080	C-RES, 180-1/8W J	a
AMP MAIN		X R	0513	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		O R	0514	88-108-223-080	C-RES,U 22K-1/16W J	a
AMP MAIN		O R	0515	88-108-102-080	C-RES,U 1K-1/16W J	a
AMP MAIN		X R	0516	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		X R	0517	88-108-104-080	C-RES,U 100K-1/16W J	a
						XA-SDV1 USM
AMP MAIN		X R	0518	88-128-151-080	C-RES, 150-1/8W J	a
AMP MAIN		X R	0519	88-128-151-080	C-RES, 150-1/8W J	a
AMP MAIN		X R	0801	88-144-684-080	RES,SD 680K-1/2W K	a
AMP MAIN	!	O R	0803	87-A00-382-090	RES,M/F 56K-3W J RSS H2	a
AMP MAIN		X R	0804	88-118-103-080	C-RES,S 10K-1/10W J	a
AMP MAIN		X R	0805	88-118-103-080	C-RES,S 10K-1/10W J	a
AMP MAIN	!	O R	0806	87-A01-124-010	RES,CEM 0.047-5W K BPR	a
AMP MAIN		O R	0808	88-118-223-080	C-RES,S 22K-1/10W J	a
AMP MAIN		X R	0809	88-118-471-080	C-RES,S 470-1/10W J	a
AMP MAIN		X R	0810	88-118-394-080	C-RES,S 390K-1/10W J	a
AMP MAIN		X R	0811	88-118-334-080	C-RES,S 330K-1/10W J	a
AMP MAIN		X R	0812	88-118-563-080	C-RES,S 56K-1/10W J	a
AMP MAIN		X R	0813	88-118-829-080	C-RES,S 8.2-1/10W J	a
AMP MAIN		X R	0814	88-108-561-080	C-RES,U 560-1/16W J	a
AMP MAIN		X R	0815	88-118-472-080	C-RES,S 4.7K-1/10W J	a
AMP MAIN		X R	0816	88-118-102-080	C-RES,S 1K-1/10W J	a
AMP MAIN		X R	0817	88-108-000-080	C-JUMPER,U	a
AMP MAIN		X R	0819	88-118-103-080	C-RES,S 10K-1/10W J	a
AMP MAIN		X R	0820	88-121-561-080	RES,560-1/8W J	a
AMP MAIN		X R	0821	88-121-561-080	RES,560-1/8W J	a
						XA-SDV1 USM
AMP MAIN		X R	0826	88-118-103-080	C-RES,S 10K-1/10W J	a
AMP MAIN		X R	0827	88-118-103-080	C-RES,S 10K-1/10W J	a
AMP MAIN		X R	0828	88-118-103-080	C-RES,S 10K-1/10W J	a
AMP MAIN	!	O R	0830	87-A00-613-090	RES,M/F 1.2K-1W J RSF(S)	a
AMP MAIN		X R	0831	88-118-103-080	C-RES,S 10K-1/10W J	a
AMP MAIN		X R	0832	88-118-272-080	C-RES,S 2.7K-1/10W J	a
AMP MAIN		X R	0833	88-118-000-080	C-JUMPER,S	a
AMP MAIN		O R	0834	87-022-355-080	C-RES,S 10K-1/10W F	a
AMP MAIN		O R	0835	87-022-345-080	C-RES,S 1.2K-1/10W F	a
AMP MAIN		X R	0836	88-118-100-080	C-RES,S 10-1/10W J	a
AMP MAIN		X R	0844	88-108-000-080	C-JUMPER,U	a
AMP MAIN		X R	0848	88-118-103-080	C-RES,S 10K-1/10W J	a
AMP MAIN		O R	0849	87-022-364-080	C-RES,S 82K-1/10W F	a
AMP MAIN		O R	0851	87-022-350-080	C-RES,S 3.3K-1/10W F	a
AMP MAIN		O R	0852	87-022-343-080	C-RES,S 820-1/10W F	a
AMP MAIN		X R	0853	88-118-102-080	C-RES,S 1K-1/10W J	a
AMP MAIN		X R	0854	88-118-273-080	C-RES,S 27K-1/10W J	a
AMP MAIN		X R	0855	88-118-103-080	C-RES,S 10K-1/10W J	a
AMP MAIN		X R	0859	88-118-104-080	C-RES,S 100K-1/10W J	a
AMP MAIN		X R	0860	88-118-473-080	C-RES,S 47K-1/10W J	a
						XA-SDV1 USM
AMP MAIN		X R	0861	88-121-102-080	RES,1K-1/8W J	a
AMP MAIN		X R	0863	88-108-104-080	C-RES,U 100K-1/16W J	a
AMP MAIN		O RY	0301	87-A91-550-010	RELAY,DC24 G5PA-28 ZJA-13	a
AMP MAIN		O RY	0401	87-A91-550-010	RELAY,DC24 G5PA-28 ZJA-13	a
AMP MAIN		O RY	0451	87-A91-550-010	RELAY,DC24 G5PA-28 ZJA-13	a
AMP MAIN		O SFR	0301	87-024-432-080	SFR,4.7K H RH063MC	a
AMP MAIN		O SFR	0302	87-024-432-080	SFR,4.7K H RH063MC	a
AMP MAIN		O SFR	0401	87-024-432-080	SFR,4.7K H RH063MC	a
AMP MAIN		O SFR	0402	87-024-432-080	SFR,4.7K H RH063MC	a
AMP MAIN		O SFR	0451	87-024-432-080	SFR,4.7K H RH063MC	a
AMP MAIN		O SFR	0452	87-024-432-080	SFR,4.7K H RH063MC	a
AMP MAIN	!	O TH	0801	87-A91-978-010	THMS,NTH11D5R0	a
AMP MAIN	!	O TH	0803	87-A92-434-080	C-THMS,PRF18BE471QB2RB	a
AMP MAIN	!	O TH	0804	87-A92-488-010	THMS,NTSA0XV103EE1	a
FRONT		O C	0001	87-A12-063-080	CAP,E 220-10 SMG	a
FRONT		O C	0002	87-A12-087-080	CAP,E 1-50 SMG	a
FRONT		O C	0003	87-012-184-080	C-CAP,U 33P-50 J CH GRM	a
FRONT		O C	0004	87-010-316-080	C-CAP,S 33P-50 J CH GRM	a
FRONT		O C	0005	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
FRONT		O C	0006	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XA-SDV1 USM
FRONT		O	C 0007	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
FRONT		O	C 0008	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
FRONT		O	C 0009	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
FRONT		O	C 0010	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
FRONT		O	C 0011	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
FRONT		O	C 0013	87-012-154-080	C-CAP,S 150P-50 J CH GRM	a
FRONT		O	C 0014	87-012-154-080	C-CAP,S 150P-50 J CH GRM	a
FRONT		O	C 0015	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
FRONT		O	C 0016	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
FRONT		O	CN 0001	87-A60-051-010	CONN,19P V 9604S-19C	a
FRONT		O	D 0001	87-A41-142-010	LED,SPR-39MVWF GRN/RED (L/M/N)	a
FRONT		O	D 0002	87-A41-126-080	LED,SLR-342VCTB7 RED	a
FRONT		O	D 0003	87-A41-126-080	LED,SLR-342VCTB7 RED	a
FRONT		O	D 0004	87-A41-126-080	LED,SLR-342VCTB7 RED	a
FRONT		O	D 0005	87-A41-126-080	LED,SLR-342VCTB7 RED	a
FRONT		O	D 0006	87-A41-126-080	LED,SLR-342VCTB7 RED	a
FRONT		S	D 0009	87-017-932-080	ZENER,MTZJ6.2B	a
FRONT		S	D 0012	87-A40-872-040	C-ZENER,UDZS 4.3B	a
FRONT		S	IC 0001	8C-AA5-617-030	C-IC,M34513M2-420FP	a
FRONT		S	IC 0002	87-A20-611-080	IC,M51943BSL-700A	a
						XA-SDV1 USM
FRONT		X	JR 0005	88-108-000-080	C-JUMPER,U	a
FRONT		X	JR 0011	88-108-000-080	C-JUMPER,U	a
FRONT		X	JR 0018	88-108-000-080	C-JUMPER,U	a
FRONT		X	JR 0019	88-108-000-080	C-JUMPER,U	a
FRONT		X	JR 0021	88-108-000-080	C-JUMPER,U	a
FRONT		X	JR 0024	88-108-000-080	C-JUMPER,U	a
FRONT		X	JR 0025	88-108-000-080	C-JUMPER,U	a
FRONT		O	L 0001	87-005-614-080	COIL,100UH J LAV35	a
FRONT		S	Q 0001	87-A30-087-080	C-FET,2SK2158	a
FRONT		S	Q 0002	87-A30-087-080	C-FET,2SK2158	a
FRONT		S	Q 0004	87-A30-455-040	C-TR,DTA144EKA	a
FRONT		S	Q 0005	87-A30-246-040	C-TR,2SA1037AK	a
FRONT		X	R 0001	88-118-102-080	C-RES,S 1K-1/10W J	a
FRONT		X	R 0002	88-118-101-080	C-RES,S 100-1/10W J	a
FRONT		X	R 0003	88-118-391-080	C-RES,S 390-1/10W J	a
FRONT		X	R 0004	88-118-681-080	C-RES,S 680-1/10W J	a
FRONT		X	R 0005	88-118-681-080	C-RES,S 680-1/10W J	a
FRONT		O	R 0006	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0007	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0008	88-108-101-080	C-RES,U 100-1/16W J	a
						XA-SDV1 USM
FRONT		O	R 0009	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		O	R 0010	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT		O	R 0011	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0012	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT		O	R 0013	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0015	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		O	R 0016	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0017	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0018	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		O	R 0019	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0020	88-118-472-080	C-RES,S 4.7K-1/10W J	a
FRONT		O	R 0022	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0023	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0024	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0025	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0026	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0027	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0028	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		O	R 0029	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		X	R 0030	88-118-681-080	C-RES,S 680-1/10W J	a
						XA-SDV1 USM
FRONT		X	R 0031	88-118-681-080	C-RES,S 680-1/10W J	a
FRONT		X	R 0032	88-118-681-080	C-RES,S 680-1/10W J	a
FRONT		O	R 0033	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0034	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		X	R 0035	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		X	R 0036	88-118-103-080	C-RES,S 10K-1/10W J	a
FRONT		X	R 0037	88-118-103-080	C-RES,S 10K-1/10W J	a
FRONT		X	R 0038	88-118-222-080	C-RES,S 2.2K-1/10W J	a
FRONT		X	R 0039	88-118-222-080	C-RES,S 2.2K-1/10W J	a
FRONT		X	R 0040	88-118-332-080	C-RES,S 3.3K-1/10W J	a
FRONT		X	R 0041	88-118-562-080	C-RES,S 5.6K-1/10W J	a
FRONT		X	R 0042	88-118-822-080	C-RES,S 8.2K-1/10W J	a
FRONT		O	R 0043	88-118-223-080	C-RES,S 22K-1/10W J	a
FRONT		X	R 0044	88-118-472-080	C-RES,S 4.7K-1/10W J	a
FRONT		X	R 0045	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		X	R 0046	88-118-102-080	C-RES,S 1K-1/10W J	a
FRONT		X	R 0047	88-118-104-080	C-RES,S 100K-1/10W J	a
FRONT		X	R 0048	88-118-102-080	C-RES,S 1K-1/10W J	a
FRONT		X	R 0049	88-118-104-080	C-RES,S 100K-1/10W J	a
FRONT		O	R 0050	88-108-101-080	C-RES,U 100-1/16W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XA-SDV1 USM
FRONT		X	R 0051	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		X	R 0052	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		X	R 0053	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		O	R 0054	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		O	R 0055	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0056	88-118-103-080	C-RES,S 10K-1/10W J	a
FRONT		X	R 0057	88-118-103-080	C-RES,S 10K-1/10W J	a
FRONT		O	R 0059	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		O	R 0060	88-108-223-080	C-RES,U 22K-1/16W J	a
FRONT		O	R 0062	88-108-223-080	C-RES,U 22K-1/16W J	a
FRONT		X	R 0064	88-118-391-080	C-RES,S 390-1/10W J	a
FRONT		O	R 0065	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT		O	R 0066	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0067	88-118-331-080	C-RES,S 330-1/10W J	a
FRONT		O	SW 0001	87-A92-419-010	SW,RTRY EC12E24304WITH VC	a
FRONT		O	SW 0003	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT		O	SW 0004	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT		O	SW 0005	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT		O	SW 0006	87-A90-095-080	SW,TACT EVQ11G04M	a
FRONT		O	SW 0007	87-A90-095-080	SW,TACT EVQ11G04M	a
						XA-SDV1 USM
FRONT		O	X 0001	87-A70-075-080	VIB,CER 4.19MHZ CRHF	a
HP-JACK	!	O	CN 0552	87-A60-063-010	CONN,04P V 9604S-04C	a
HP-JACK		O	J 0551	8C-AA5-640-010	JACK,3.5 BLK ST W/SW HTJ-035-F	a
HP-JACK		O	JW 0024	87-003-149-080	COIL,47UH J LAL02	a
SELECTOR		O	C 0201	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0202	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0203	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0204	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0205	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0206	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0207	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0208	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0209	87-010-234-080	CAP,E 47-16 M 5L SRE	a
SELECTOR		O	C 0211	87-010-182-080	C-CAP,S 2200P-50 K B C2012	a
SELECTOR		O	C 0212	87-010-182-080	C-CAP,S 2200P-50 K B C2012	a
SELECTOR		O	C 0213	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0214	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0215	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0216	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0217	87-010-234-080	CAP,E 47-16 M 5L SRE	a
						XA-SDV1 USM
SELECTOR		O	C 0218	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	C 0219	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0220	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		X	C 0221	88-700-840-810	CAP,M 0.033-50 J AMZV	a
SELECTOR		X	C 0222	88-700-840-810	CAP,M 0.033-50 J AMZV	a
SELECTOR		O	C 0223	87-010-369-080	C-CAP,S 0.033-25 K B	a
SELECTOR		O	C 0224	87-010-369-080	C-CAP,S 0.033-25 K B	a
SELECTOR		O	C 0225	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	C 0226	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	C 0227	87-010-234-080	CAP,E 47-16 M 5L SRE	a
SELECTOR		O	C 0229	87-010-182-080	C-CAP,S 2200P-50 K B C2012	a
SELECTOR		O	C 0230	87-010-182-080	C-CAP,S 2200P-50 K B C2012	a
SELECTOR		O	C 0231	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0232	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0233	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0234	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0236	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	C 0237	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0238	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		X	C 0239	88-700-840-810	CAP,M 0.033-50 J AMZV	a
						XA-SDV1 USM
SELECTOR		O	C 0240	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SELECTOR		O	C 0241	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	C 0242	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	C 0243	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	C 0244	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	C 0245	87-010-234-080	CAP,E 47-16 M 5L SRE	a
SELECTOR		O	C 0247	87-010-182-080	C-CAP,S 2200P-50 K B C2012	a
SELECTOR		O	C 0249	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0250	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0251	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0252	87-016-669-080	C-CAP,S 0.1-25 K B	a
SELECTOR		O	C 0254	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	C 0255	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SELECTOR		O	CN 0202	87-A60-538-010	CONN,5P H TUC-P05X-B1	a
SELECTOR		O	CN 0203	87-A60-315-010	CONN,19P TUC-P19X-B1	a
SELECTOR		S	IC 0201	87-A22-240-040	C-IC,BD3870FS	a
SELECTOR		S	IC 0202	87-A22-240-040	C-IC,BD3870FS	a
SELECTOR		S	IC 0203	87-A22-240-040	C-IC,BD3870FS	a
SELECTOR		O	L 0201	87-005-614-080	COIL,100UH J LAV35	a
SELECTOR		X	R 0201	88-118-562-080	C-RES,S 5.6K-1/10W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XA-SDV1 USM
SELECTOR		X	R 0202	88-118-394-080	C-RES,S 390K-1/10W J	a
SELECTOR		X	R 0203	88-118-562-080	C-RES,S 5.6K-1/10W J	a
SELECTOR		X	R 0204	88-118-394-080	C-RES,S 390K-1/10W J	a
SELECTOR		X	R 0205	88-118-102-080	C-RES,S 1K-1/10W J	a
SELECTOR		X	R 0206	88-118-102-080	C-RES,S 1K-1/10W J	a
SELECTOR		X	R 0208	88-118-394-080	C-RES,S 390K-1/10W J	a
SELECTOR		X	R 0210	88-118-394-080	C-RES,S 390K-1/10W J	a
SELECTOR		X	R 0211	88-118-102-080	C-RES,S 1K-1/10W J	a
SELECTOR		X	R 0212	88-118-102-080	C-RES,S 1K-1/10W J	a
SELECTOR		X	R 0213	88-118-562-080	C-RES,S 5.6K-1/10W J	a
SELECTOR		X	R 0214	88-118-394-080	C-RES,S 390K-1/10W J	a
SELECTOR		X	R 0216	88-118-394-080	C-RES,S 390K-1/10W J	a
SELECTOR		X	R 0217	88-118-102-080	C-RES,S 1K-1/10W J	a
SELECTOR		X	R 0218	88-118-102-080	C-RES,S 1K-1/10W J	a
SELECTOR		X	R 0219	88-118-183-080	C-RES,S 18K-1/10W J	a
SELECTOR		O	R 0220	88-118-223-080	C-RES,S 22K-1/10W J	a
SELECTOR		X	R 0221	88-118-183-080	C-RES,S 18K-1/10W J	a
SELECTOR		O	R 0222	88-118-223-080	C-RES,S 22K-1/10W J	a
SELECTOR		O	R 0223	88-108-223-080	C-RES,U 22K-1/16W J	a
SELECTOR		O	R 0224	88-108-223-080	C-RES,U 22K-1/16W J	a
						XA-SDV1 USM
SELECTOR		X	R 0225	88-108-183-080	C-RES,U 18K-1/16W J	a
SELECTOR		X	R 0226	88-108-183-080	C-RES,U 18K-1/16W J	a
SELECTOR		X	R 0227	88-108-183-080	C-RES,U 18K-1/16W J	a
SURROUND		O	C 0271	87-010-234-080	CAP,E 47-16 M 5L SRE	a
SURROUND		O	C 0272	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		O	C 0273	87-010-197-080	C-CAP,S 0.01-25 K B C2012	a
SURROUND		O	C 0274	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SURROUND		O	C 0275	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SURROUND		X	C 0276	88-700-910-810	CAP,M 0.1-50 J AMZV	a
SURROUND		X	C 0277	88-700-890-810	CAP,M 0.027-50 J AMZV	a
SURROUND		O	C 0278	87-010-234-080	CAP,E 47-16 M 5L SRE	a
SURROUND		O	C 0279	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		O	C 0281	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		X	C 0282	88-700-850-810	CAP,M 0.047-50 J AMZV	a
SURROUND		O	C 0283	87-010-071-080	CAP,E 1-50 M 5L SRE	a
SURROUND		X	C 0284	88-700-850-810	CAP,M 0.047-50 J AMZV	a
SURROUND		O	C 0285	87-010-071-080	CAP,E 1-50 M 5L SRE	a
SURROUND		O	C 0286	87-010-626-080	CAP,E 1-50 M 5L BP SRE	a
SURROUND		O	C 0287	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SURROUND		O	C 0289	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
						XA-SDV1 USM
SURROUND		O	C 0603	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		O	C 0604	87-010-234-080	CAP,E 47-16 M 5L SRE	a
SURROUND		O	C 0605	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		O	C 0606	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SURROUND		O	C 0607	87-010-072-080	CAP,E 2.2-50 M 5L SRE	a
SURROUND		X	C 0608	88-710-789-810	CAP,M 0.33-50 J TFL ECQV	a
SURROUND		O	C 0609	87-010-234-080	CAP,E 47-16 M 5L SRE	a
SURROUND		O	C 0610	87-016-669-080	C-CAP,S 0.1-25 K B	a
SURROUND		O	C 0611	87-010-989-080	C-CAP,S 2200P-50 J CH GRM	a
SURROUND		O	C 0612	87-010-958-080	C-CAP,S 0.01-25 J B GRM	a
SURROUND		O	C 0613	87-010-958-080	C-CAP,S 0.01-25 J B GRM	a
SURROUND		O	C 0614	87-010-322-080	C-CAP,S 100P-50 J CH GRM	a
SURROUND		O	C 0615	87-010-322-080	C-CAP,S 100P-50 J CH GRM	a
SURROUND		O	C 0616	87-010-626-080	CAP,E 1-50 M 5L BP SRE	a
SURROUND		O	C 0617	87-010-958-080	C-CAP,S 0.01-25 J B GRM	a
SURROUND		O	C 0618	87-010-989-080	C-CAP,S 2200P-50 J CH GRM	a
SURROUND		O	C 0619	87-010-958-080	C-CAP,S 0.01-25 J B GRM	a
SURROUND		O	C 0621	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		X	C 0623	88-700-830-810	CAP,M 0.022-50 J AMZV	a
SURROUND		O	C 0624	87-010-322-080	C-CAP,S 100P-50 J CH GRM	a
						XA-SDV1 USM
SURROUND		O	C 0625	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		O	C 0634	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		O	C 0635	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		O	C 0638	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
SURROUND		O	CN 0601	87-A60-315-010	CONN,19P TUC-P19X-B1	a
SURROUND		O	CN 0602	87-099-553-010	CONN,4P H TUC-P	a
SURROUND		S	IC 0271	87-A21-419-040	C-IC,NJM14558MD-TE2	a
SURROUND		S	IC 0272	87-020-784-040	C-IC,TC4053BF	a
SURROUND		S	IC 0601	87-A20-613-040	C-IC,BU9262AFS	a
SURROUND		S	IC 0602	87-A21-419-040	C-IC,NJM14558MD-TE2	a
SURROUND		O	L 0271	87-005-614-080	COIL,100UH J LAV35	a
SURROUND		O	L 0272	87-005-614-080	COIL,100UH J LAV35	a
SURROUND		O	L 0601	87-005-614-080	COIL,100UH J LAV35	a
SURROUND		O	R 0271	88-118-223-080	C-RES,S 22K-1/10W J	a
SURROUND		X	R 0272	88-118-123-080	C-RES,S 12K-1/10W J	a
SURROUND		X	R 0273	88-118-102-080	C-RES,S 1K-1/10W J	a
SURROUND		X	R 0274	88-118-273-080	C-RES,S 27K-1/10W J	a
SURROUND		X	R 0275	88-118-104-080	C-RES,S 100K-1/10W J	a
SURROUND		X	R 0276	88-118-153-080	C-RES,S 15K-1/10W J	a
SURROUND		X	R 0277	88-118-153-080	C-RES,S 15K-1/10W J	a

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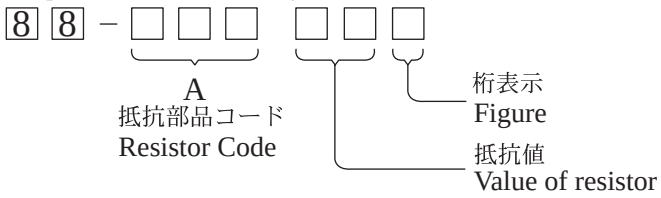
						XA-SDV1 USM
SURROUND		O	R 0278	88-118-223-080	C-RES,S 22K-1/10W J	a
SURROUND		O	R 0279	88-118-223-080	C-RES,S 22K-1/10W J	a
SURROUND		X	R 0280	88-118-153-080	C-RES,S 15K-1/10W J	a
SURROUND		X	R 0281	88-118-222-080	C-RES,S 2.2K-1/10W J	a
SURROUND		X	R 0282	88-118-102-080	C-RES,S 1K-1/10W J	a
SURROUND		X	R 0283	88-118-153-080	C-RES,S 15K-1/10W J	a
SURROUND		X	R 0284	88-118-222-080	C-RES,S 2.2K-1/10W J	a
SURROUND		X	R 0285	88-118-332-080	C-RES,S 3.3K-1/10W J	a
SURROUND		X	R 0286	88-118-104-080	C-RES,S 100K-1/10W J	a
SURROUND		X	R 0287	88-118-104-080	C-RES,S 100K-1/10W J	a
SURROUND		X	R 0288	88-118-273-080	C-RES,S 27K-1/10W J	a
SURROUND		O	R 0289	88-108-822-080	C-RES,U 8.2K-1/16W J	a
SURROUND		O	R 0290	88-108-822-080	C-RES,U 8.2K-1/16W J	a
SURROUND		X	R 0601	88-118-103-080	C-RES,S 10K-1/10W J	a
SURROUND		X	R 0602	88-118-273-080	C-RES,S 27K-1/10W J	a
SURROUND		X	R 0603	88-118-273-080	C-RES,S 27K-1/10W J	a
SURROUND		X	R 0604	88-118-103-080	C-RES,S 10K-1/10W J	a
SURROUND		X	R 0605	88-118-105-080	C-RES,S 1M-1/10W J	a
SURROUND		X	R 0606	88-118-102-080	C-RES,S 1K-1/10W J	a
SURROUND		X	R 0607	88-118-102-080	C-RES,S 1K-1/10W J	a
						XA-SDV1 USM
SURROUND		X	R 0608	88-118-102-080	C-RES,S 1K-1/10W J	a
SURROUND		X	R 0609	88-118-105-080	C-RES,S 1M-1/10W J	a
SURROUND		X	R 0610	88-118-000-080	C-JUMPER,S	a
SURROUND		X	R 0614	88-118-123-080	C-RES,S 12K-1/10W J	a
SURROUND		O	R 0616	88-118-223-080	C-RES,S 22K-1/10W J	a
SURROUND		X	R 0617	88-118-222-080	C-RES,S 2.2K-1/10W J	a
SURROUND		O	X 0601	87-030-211-080	VIB,CER 2.000MHZ KBR MS	a

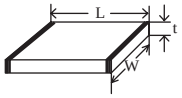
- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



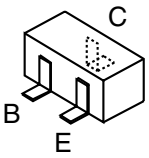
チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

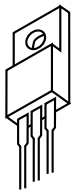
TRANSISTOR ILLUSTRATION -1/1

E C B

2SA1296
2SC2001

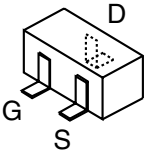


2SA1037
2SA1588
2SC2412
2SC4116
DTA114TKA
DTA144EKA
DTC144EKA

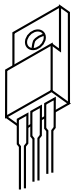


B C E

2SK3451

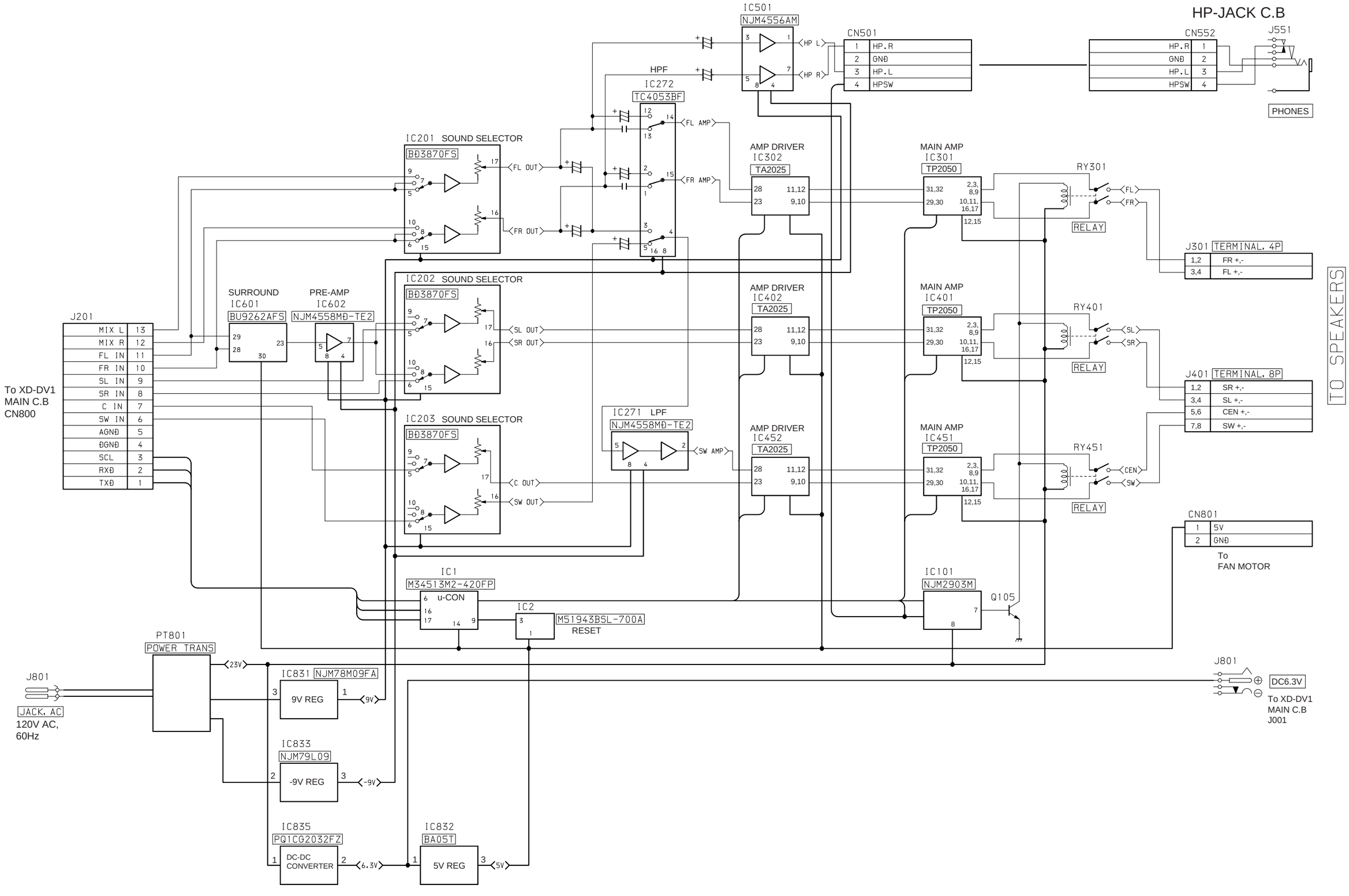


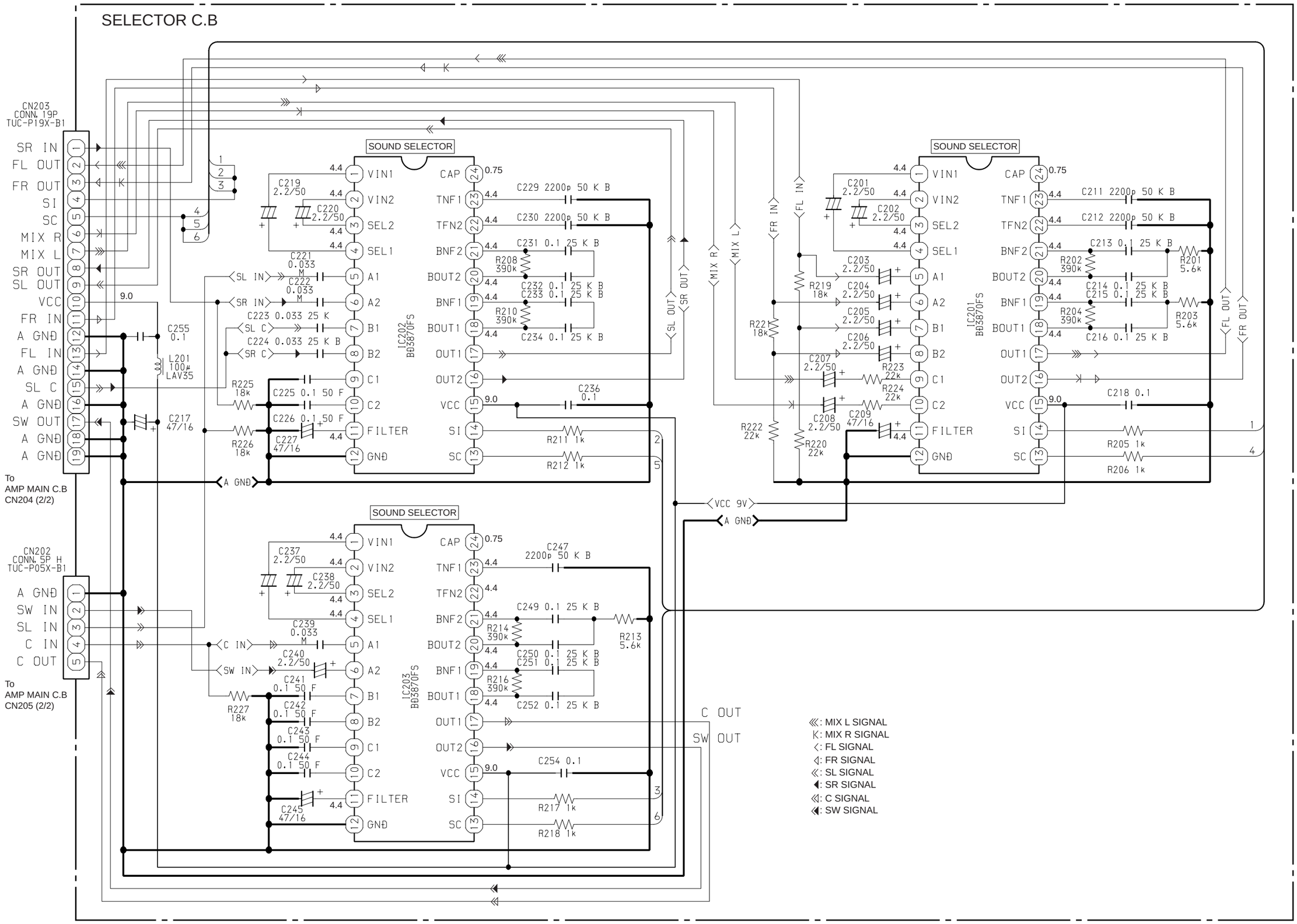
2SK2158



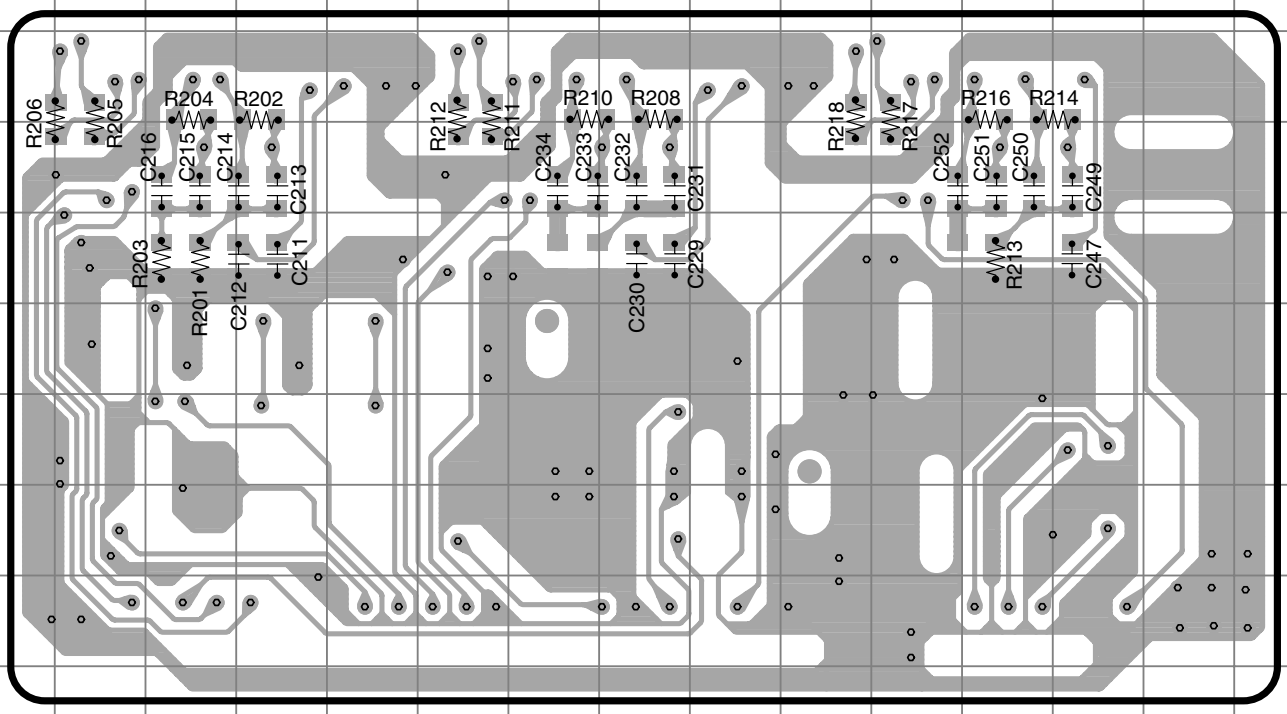
G S D

FS7KM16A
FS7KM-18A


IC501
NJM4556AM
CN501
1 HP.R
2 GNĐ
3 HP.L
4 HPSW
HP L
HP R
HP-JACK C.B
CN552
HP.R 1
GNĐ 2
HP.L 3
HPSW 4
J551
PHONES
HPF
IC272
TC4053BF
FL AMP
FR AMP
IC201 SOUND SELECTOR
BĐ3870FS
FL OUT
FR OUT
AMP DRIVER
IC302
TA2025
MAIN AMP
IC301
TP2050
RY301
FL
FR
RELAY
J301 TERMINAL, 4P
1,2 FR +,-
3,4 FL +,-
IC202 SOUND SELECTOR
BĐ3870FS
SL OUT
SR OUT
SURROUND
IC601
BU9262AFS
PRE-AMP
IC602
NJM4558MĐ-TE2
AMP DRIVER
IC402
TA2025
MAIN AMP
IC401
TP2050
RY401
SL
SR
RELAY
J401 TERMINAL, 8P
1,2 SR +,-
3,4 SL +,-
5,6 CEN +,-
7,8 SW +,-
TO SPEAKERS
J201
MIX L 13
MIX R 12
FL IN 11
FR IN 10
SL IN 9
SR IN 8
C IN 7
SW IN 6
AGNĐ 5
ĐGNĐ 4
SCL 3
RXĐ 2
TXĐ 1
To XD-DV1
MAIN C.B
CN800
IC203 SOUND SELECTOR
BĐ3870FS
C OUT
SW OUT
IC271 LPF
NJM4558MĐ-TE2
SW AMP
AMP DRIVER
IC452
TA2025
MAIN AMP
IC451
TP2050
RY451
CEN
SW
RELAY
CN801
1 5V
2 GNĐ
To
FAN MOTOR
IC1
M34513M2-420FP
u-CON
IC2
M51943BSL-700A
RESET
IC101
NJM2903M
Q105
PT801
POWER TRANS
23V
J801
JACK, AC
120V AC,
60Hz
IC831 NJM78M09FA
9V REG
9V
IC833
NJM79L09
-9V REG
-9V
IC835
PQ1CG2032FZ
DC-DC
CONVERTER
6.3V
IC832
BA05T
5V REG
5V
J801
DC6.3V
To XD-DV1
MAIN C.B
J001


SELECTOR C.B
CN203
CONN. 19P
TUC-P19X-B1
SR IN
FL OUT
FR OUT
SI
SC
MIX R
MIX L
SR OUT
SL OUT
VCC
FR IN
A GND
FL IN
A GND
SL C
A GND
SW OUT
A GND
A GND
To
AMP MAIN C.B
CN204 (2/2)
SOUND SELECTOR
IC202
BD3870FS
VIN1
VIN2
SEL2
SEL1
A1
A2
B1
B2
C1
C2
FILTER
GND
CAP
TNF1
TFN2
BNF2
BOUT2
BNF1
BOUT1
OUT1
OUT2
VCC
SI
SC
C219 2.2/50
C220 2.2/50
C221 0.033 M
C222 0.033 M
C223 0.033 25 K
C224 0.033 25 K B
C225 0.1 50 F
C226 0.1 50 F
C227 47/16
C229 2200p 50 K B
C230 2200p 50 K B
C231 0.1 25 K B
C232 0.1 25 K B
C233 0.1 25 K B
C234 0.1 25 K B
C236 0.1
R208 390k
R210 390k
R211 1k
R212 1k
C255 0.1
L201 100µ LAV35
C217 47/16
R225 18k
R226 18k
SL IN
SR IN
SL C
SR C
SL OUT
SR OUT
MIX R
MIX L
FR IN
FL IN
VCC 9V
A GND
C201 2.2/50
C202 2.2/50
C203 2.2/50
C204 2.2/50
C205 2.2/50
C206 2.2/50
C207 2.2/50
C208 2.2/50
C209 47/16
R219 18k
R222 18k
R220 22k
R222 22k
R223 22k
R224 22k
IC201
BD3870FS
C211 2200p 50 K B
C212 2200p 50 K B
C213 0.1 25 K B
C214 0.1 25 K B
C215 0.1 25 K B
C216 0.1 25 K B
R202 390k
R204 390k
R201 5.6k
R203 5.6k
C218 0.1
R205 1k
R206 1k
FL OUT
FR OUT
CN202
CONN. 5P H
TUC-P05X-B1
A GND
SW IN
SL IN
C IN
C OUT
To
AMP MAIN C.B
CN205 (2/2)
C237 2.2/50
C238 2.2/50
C239 0.033 M
C240 2.2/50
C241 0.1 50 F
C242 0.1 50 F
C243 0.1 50 F
C244 0.1 50 F
C245 47/16
C247 2200p 50 K B
C249 0.1 25 K B
C250 0.1 25 K B
C251 0.1 25 K B
C252 0.1 25 K B
C254 0.1
R214 390k
R216 390k
R213 5.6k
R217 1k
R218 1k
R227 18k
C IN
SW IN
C OUT
SW OUT
: MIX L SIGNAL
: MIX R SIGNAL
: FL SIGNAL
: FR SIGNAL
: SL SIGNAL
: SR SIGNAL
: C SIGNAL
: SW SIGNAL

SELECTOR C.B (Top View)



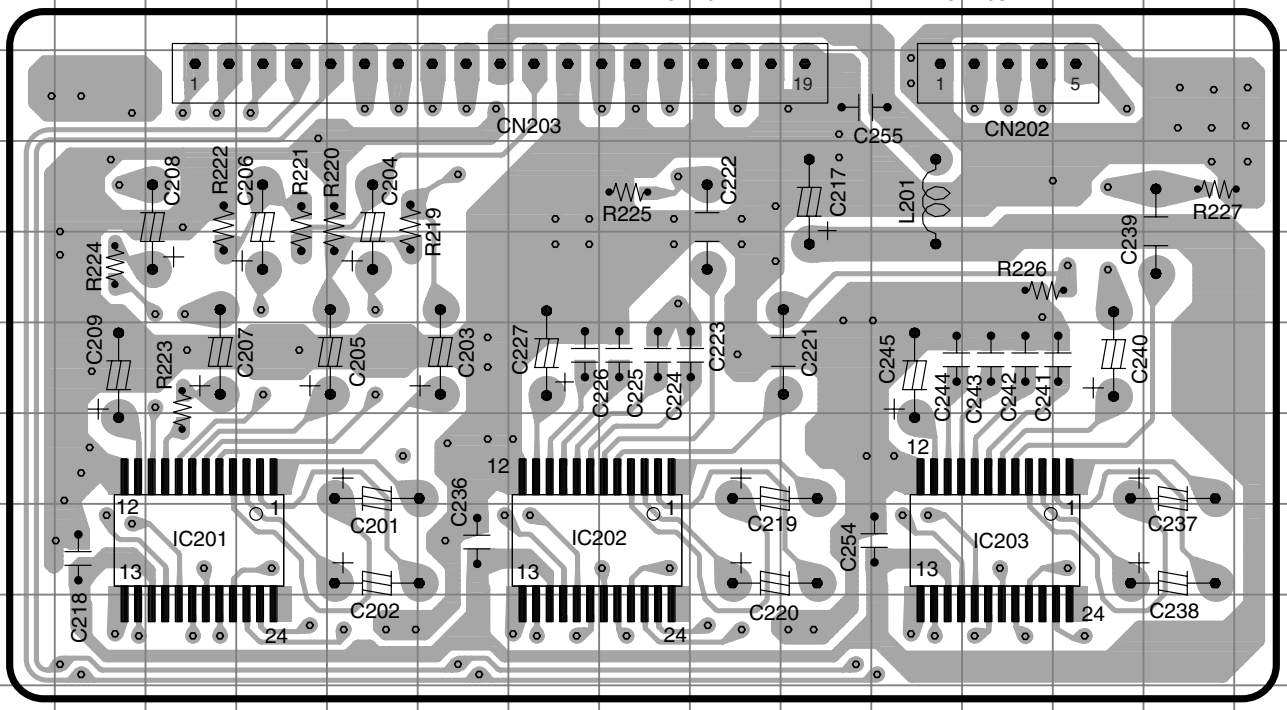
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

SELECTOR C.B (Bottom View)

To
AMP MAIN C.B
CN204

To
AMP MAIN C.B
CN205



SURROUND C.B

≪: MIX L SIGNAL
≪: MIX R SIGNAL
≪: FL SIGNAL
≪: FR SIGNAL
≪: SL SIGNAL
≪: SR SIGNAL
≪: C SIGNAL
≪: SW SIGNAL

IC272 TC4053BF HPF

IC271 NJM14558MD-TE2 LPF

IC602 NJM14558MD-TE2 PRE-AMP (REAR SURROUND)

IC601 BU9262AFS SURROUND

X601 2.000MHz

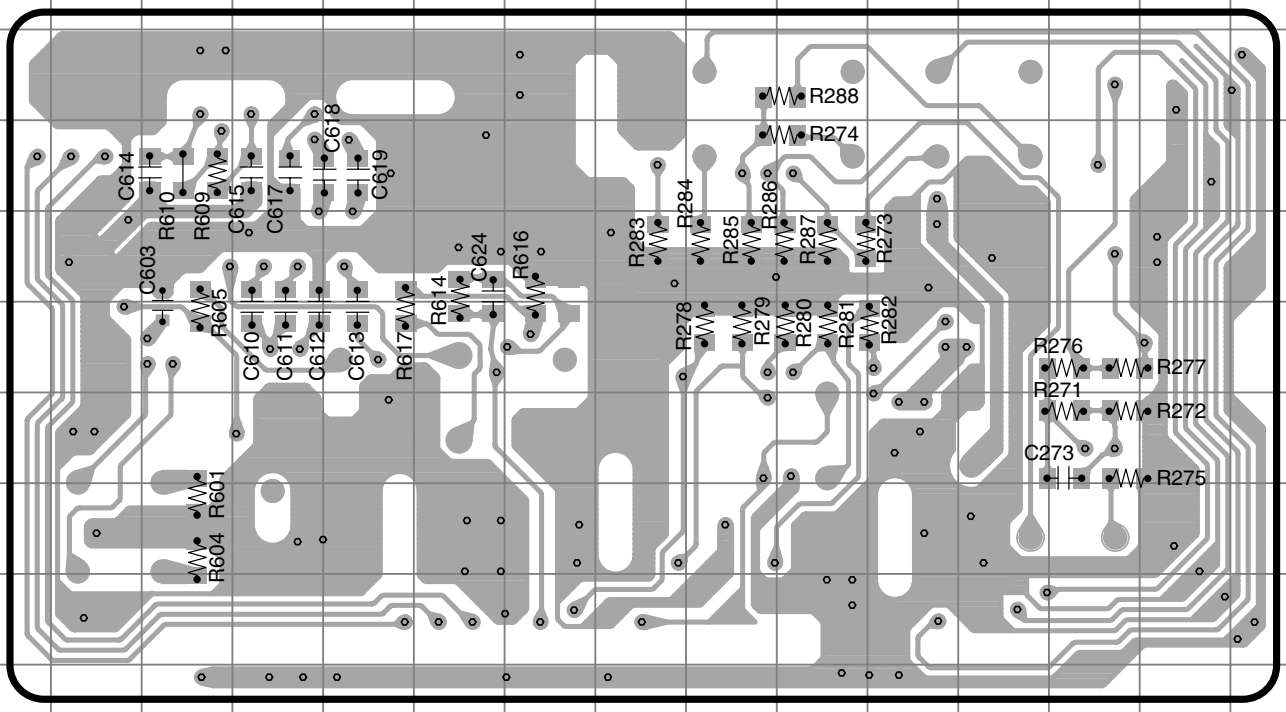
CN602 CONN, 4P H TUC-P
SW AMP
SW OUT
NC
FR OUT

To AMP MAIN C.B (2/2) (MAIN AMP SECTION) CN604

CN601 CONN, 19P TUC-P19X-B1
WOOFER
VEE
VDD
FL AMP
FL OUT
AGND
FR AMP
SL C
AGND
CLOCK
DATA
LATCH
VDD +5V
AGND
AGND
AGND
LC IN
AGND
RC IN

To AMP MAIN C.B (2/2) (MAIN AMP SECTION) CN603

SURROUND C.B (Top View)



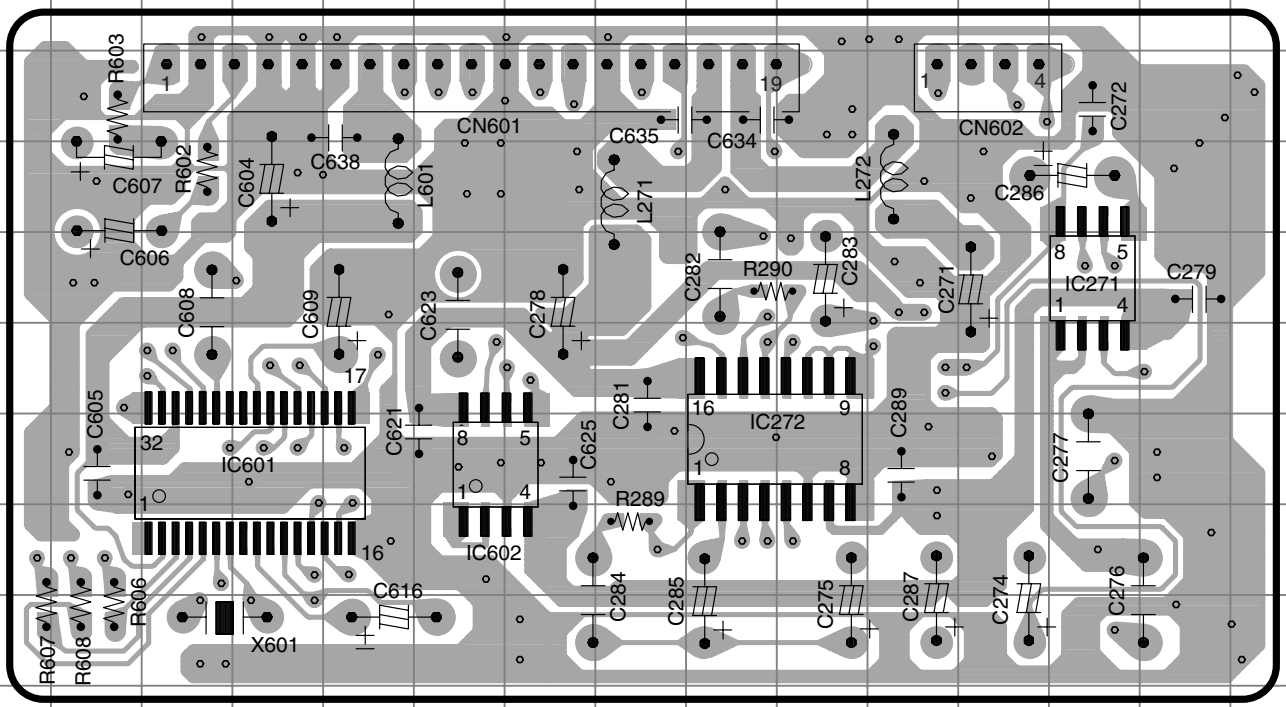
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

SURROUND C.B (Bottom View)

To
AMP MAIN C.B
CN603

To
AMP MAIN C.B
CN604



FRONT C.B

CN1
19P V 9604S-19C

1	POWER ĐET
2	WOOFER
3	RLY
4	STANBY ON/OFF
5	CLOCK
6	ĐATA
7	LATCH
8	FAULT
9	ĐGNĐ
10	ĐGNĐ
11	VĐĐ (+5)
12	TXĐ
13	NC
14	NC
15	CLK
16	RXĐ
17	SC
18	SI
19	HPIN

To
AMP MAIN C.B (2/2)
(MAIN AMP SECTION)
CN201

IC1
M34513M2
-420FP
-CON

IC2
M51943BSL-700A
RESET

Q4 ĐTA144EKA
LED SW

Q5 2SA1037AK
LED SW

Đ1 SPR-39MVWF GRN/REĐ
REĐ GREEN
POWER/ STANDBY

Đ2 SLR-342VCTB7 REĐ
Đ3 SLR-342VCTB7 REĐ
Đ4 SLR-342VCTB7 REĐ
Đ5 SLR-342VCTB7 REĐ
Đ6 SLR-342VCTB7 REĐ

Đ12 UDZS4.3B
Đ9 MTZJ6.2B

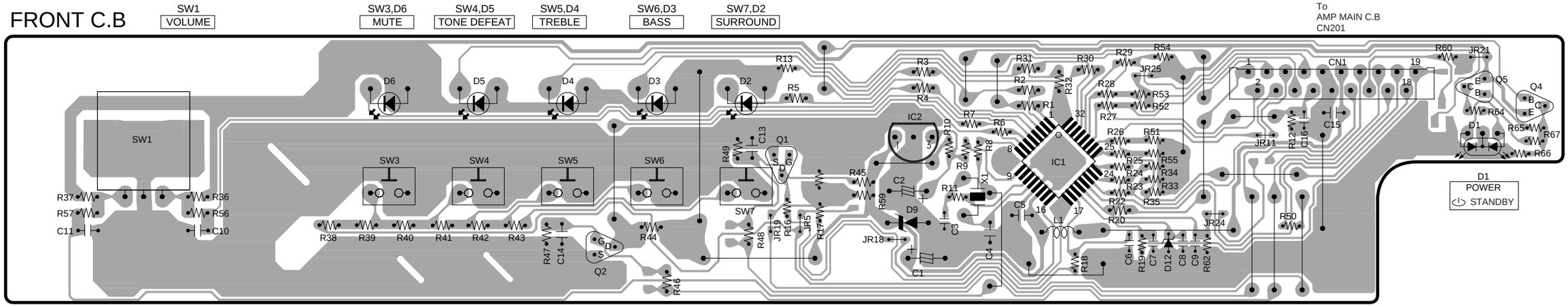
SW1 EC12E24304WITH VC
VOLUME

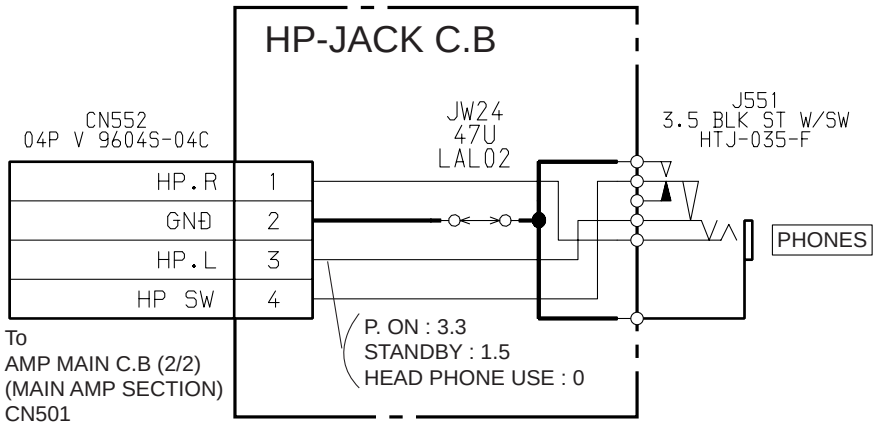
SW2 EVQ11G04M
SW3 EVQ11G04M
SW4 EVQ11G04M
SW5 EVQ11G04M
SW6 EVQ11G04M
SW7 EVQ11G04M

SURROUNĐ
BASS
TREBLE
MUTE
TONE ĐEFEAT
LED SW
POWER/ STANDBY

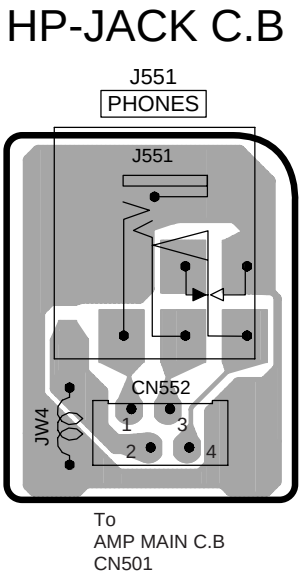
X1 4.19MHz
L1 100µ LAV35
Q1 2SK2158 INV
Q2 2SK2158 INV

FRONT C.B


SW1
VOLUME
SW3,D6
MUTE
SW4,D5
TONE DEFEAT
SW5,D4
TREBLE
SW6,D3
BASS
SW7,D2
SURROUND
To
AMP MAIN C.B
CN201
D1
POWER
STANDBY
IC1
IC2
Q1
Q2
Q4
Q5
D9
X1
L1
CN1



WIRING -4/6 (HP-JACK C.B)



AMP MAIN C.B -1/2

J801 HSC0610 120V AC, 60Hz

FILTER
LF801 ELF21V018A
F801 4A/125V
FC802 PFC5000
FC801 PFC5000
C801 0.22µ/275V
R801 680k 1/2W SD
C802 0.22µ/275V
C804 2200p/250
C803 2200p/250
TH801 NTH1165R0 THMS.
Ð801 TNR10V221K
Ð802 GBU6JL 6131
O:133.3 S:136.4
C808 0.01 1.25k
R803 56k 3W
C806 680/200
Ð803 UF4007
FR802 0.1/1W

PT801 D SW CAA-5

C830 1000p 2k
Ð830 YG906C2R
R849 22k F <HRJ> 82k F <HK>
TH803 PRF18BE 471QBZRB
HT830 BPUE26-30
R830 1.2k 1W
C831 +2200/35 (KY)
C832 +2200/35 (KY)
C833 +2200/35 (KY)

JW804 1 1/4W
FB452 BL01
C805 82p
O:22.9 S:0

D-D CONVERTER
Ð835 BAS316
IC835 PQ1CG2052FZ
O:6.6 S:0
L803 150µ (ELC10D)
Ð852 31DQ04
C853 470/25 (KY)
PR807 3A/125V F 20N
C856 0.1
O:6.8 S:0
R853 1k
O:1.3 S:0
C854 1000p
O:-0 S:0
C857 22/25
C855 0.01
R851 3.3k F
R852 820 F
R854 27k
R855 10k
Ð855 UZ7.5BSB
O:6.4 S:0
IC832 BA05T REG
Ð840 BAS316
O:5 S:0
L801 100µ LAV35
R813 8.2
C852 22/50
C849 22/50
C834 1000 6.3
C860 0.01

PR803 5A/125V F 20N
PR802 5A/125V F 20N
PR801 5A/125V F 20N

IC801 TEA1507P
FET DRIVER & CONTROL
O:133.6 S:136
C815 47/50
C817 0.01
C814 0.022
R816 1k
R808 22k
R809 470
R812 47k
R811 330k
R810 390k
C811 0.033
Ð806 BAS316
REG
Q802 2SC2412KR
O:18.3 S:17.5
R815 4.7k
Ð810 UDZS11B
C812 100/50
Ð805 RGP10JE -5025

Q801 2SK3451-01MR
POWER FET
HT801 HT-51NK, ASSY PW
C810 1800p/630
Ð804 11EQS03L
R806 0.047/5W

PR804 3.5A/125V F 20N
Ð834 RGP10JE -5025
C850 470 25 SMG
PR806 3.5A/125V F 20N
Ð832 RGP10JE -5025
C837 470/25 SMG

Q832 2SC4116GR
POWER DET
Ð839 BAS316
R826 10k
R827 10k
O:13 S:0
IC831 78M09
C847 22/50
C848 22/50
O:9 S:0
IC831 NJM78M09FA
REG
C838 10/50
O:-13.4 S:0
O:-9 S:0
IC833 NJM79L09
REG
Ð836 BAS316
Ð842 BAS316

Q840 2SK2158
POWER DET
C858 0.01
R859 100k
O:1.8 S:1.8

POWER DET
FAN SW
Q862 2SA1296GR
R860 47k
Q852 2SC2412KR
R861 1k 1/8W
O:5 S:5
Ð856 BAS316
R814 560
TH804 NTSA0XV103EE1
R817 JR
Q853 2SK2158
INV
R863 100k
O:0.7 S:3.6
C861 0.01

P5801 ON3171-R
PHOTO COUPLER
R821 560
R820 560
O:25.5 S:21.5
O:24.5 S:20.5
R831 10k
R832 2.7k
C841 3300p
R836 10
R833 JR
R835 1.2k F
C842 0.1
C859 100/16
Q830 2SC4116GR
POWER DET
R848 10k
IC834 HA17431PA
REGULATOR
R834 10k F
R828 10k
R819 10k
Q838 2SA1588Y
R805 10k
R804 10k
Ð829 BAS316
Ð833 UDZS5.6B
A GNÐ

POWER DET 1A
23V 2A
GND 3A
23V 4A
23V 5A
23V 6A
5V 7A
9V 8A
-9V 9A
5V 10A
STANBY 11A

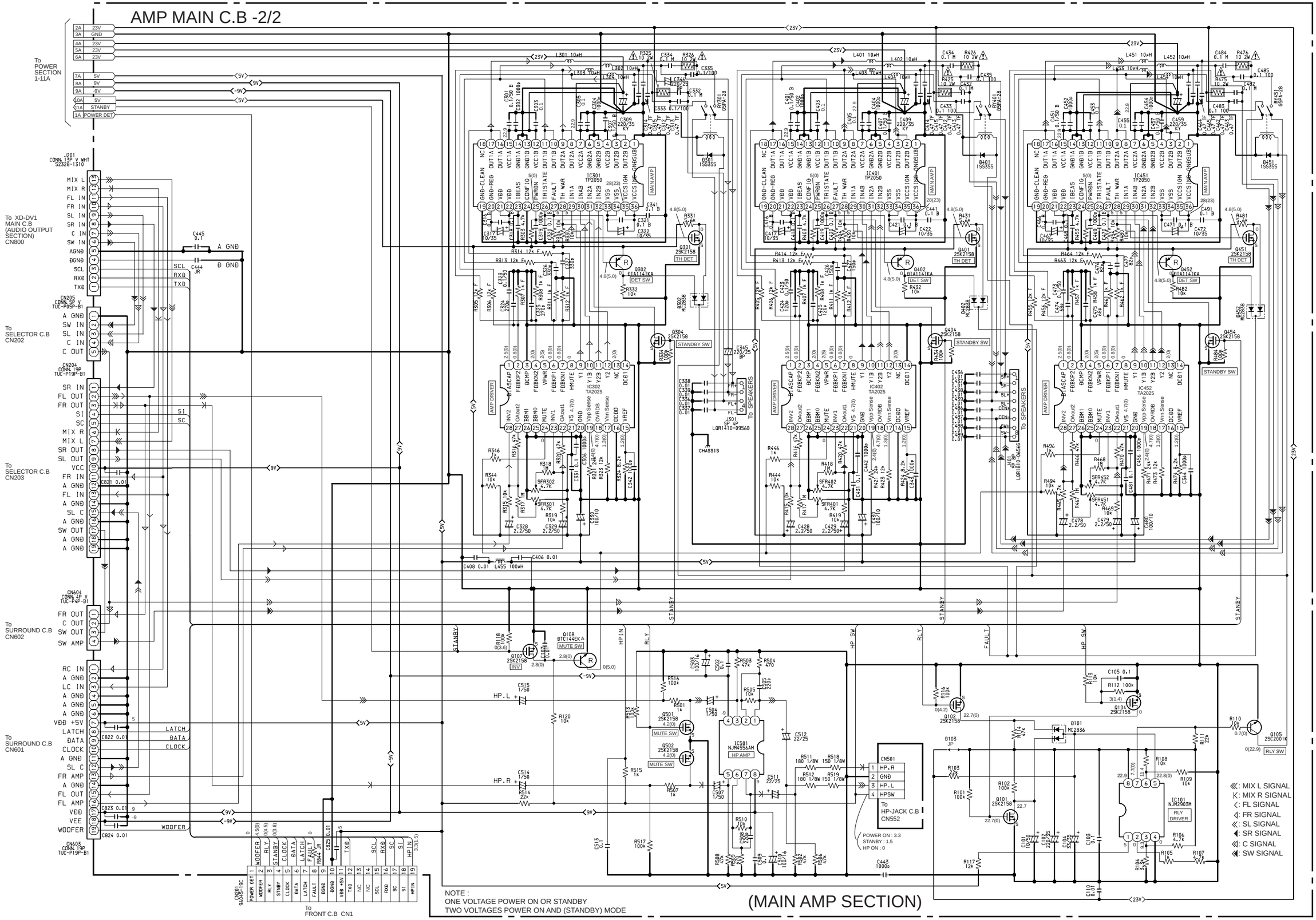
C820 10/50
JW820 JW
6.3V
O:6.4 S:6.4
J802 DC6.3V
To XD-DV1 MAIN C.B (POWER SECTION) J001

CN801 2P PH
O:5 S:0
1 5V
2 GNÐ
To FAM MOTOR

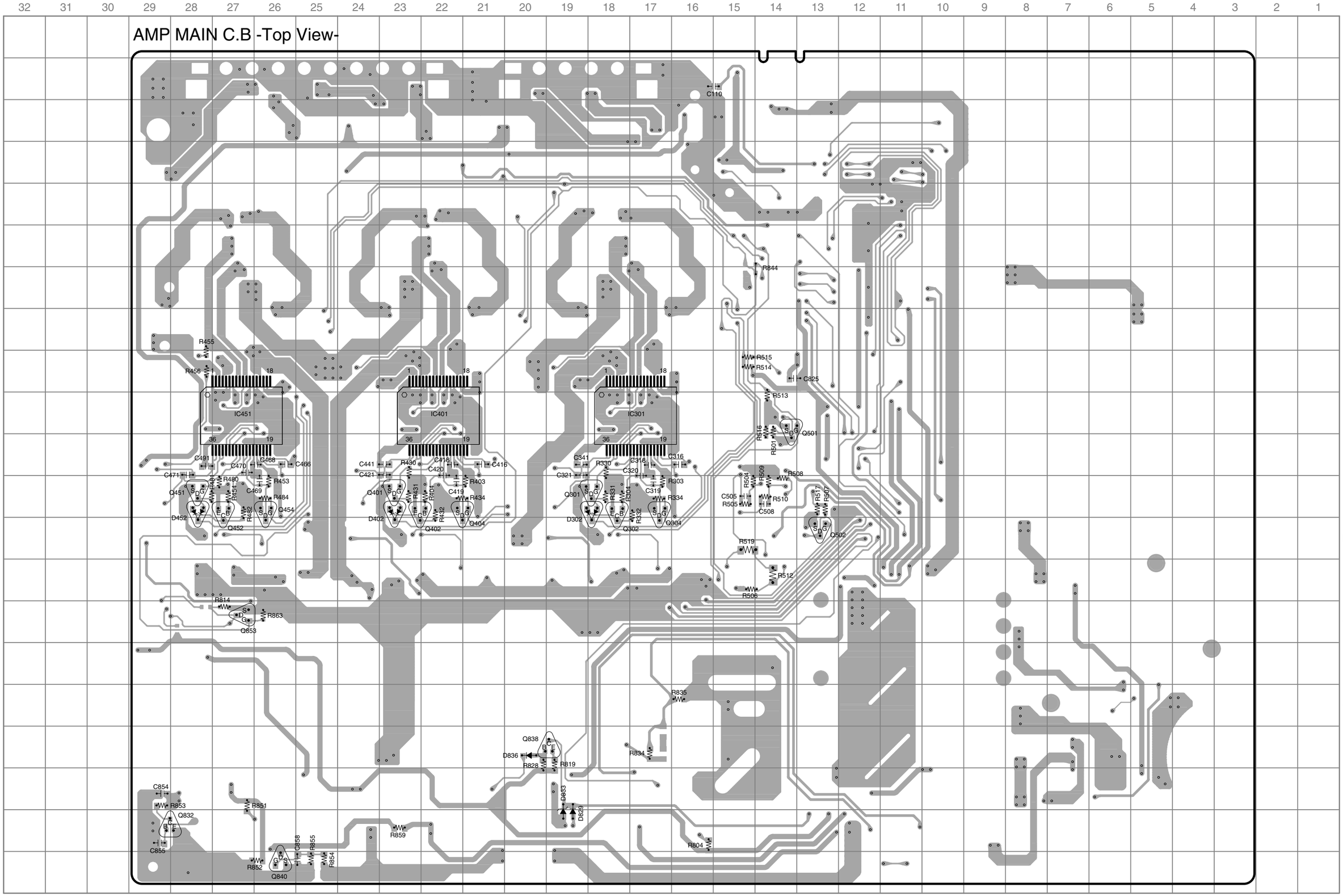
To MAIN AMP SECTION 1A-11A

NOTE :
O : POWER ON
S : STANBY

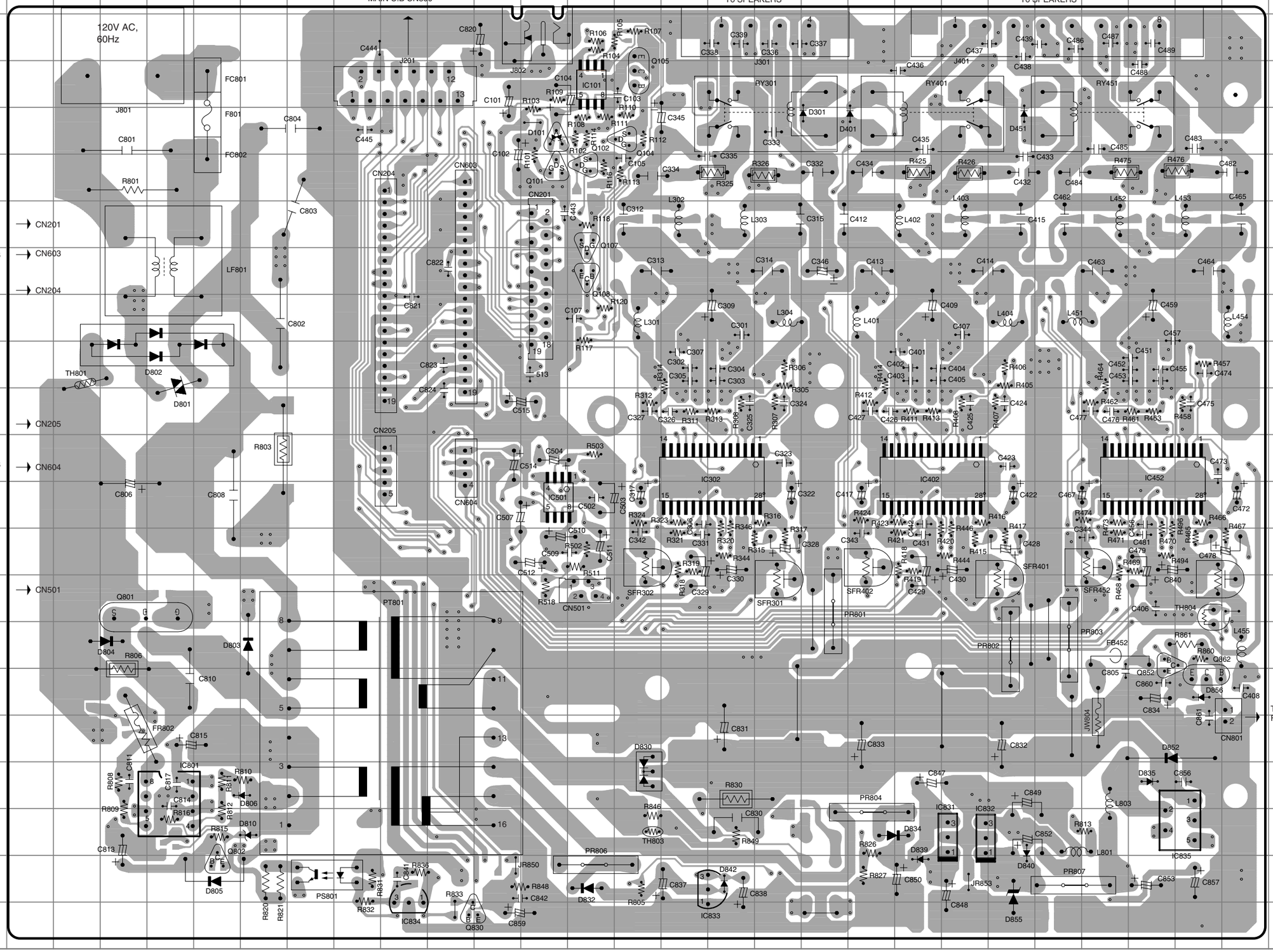
(POWER SECTION)


AMP MAIN C.B -2/2
To POWER SECTION 1-11A
2A 23V
3A GND
4A 23V
5A 23V
6A 23V
7A 5V
8A 9V
9A -9V
10A 5V
11A STANBY
1A POWER DET
To XD-DV1 MAIN C.B (AUDIO OUTPUT SECTION) CN800
To SELECTOR C.B CN202
To SELECTOR C.B CN203
To SURROUND C.B CN602
To SURROUND C.B CN601
To FRONT C.B CN1
To SPEAKERS
To HP-JACK C.B CN552
POWER ON : 3.3
STANBY : 1.5
HP ON : 0
NOTE :
ONE VOLTAGE POWER ON OR STANDBY
TWO VOLTAGES POWER ON AND (STANDBY) MODE
(MAIN AMP SECTION)

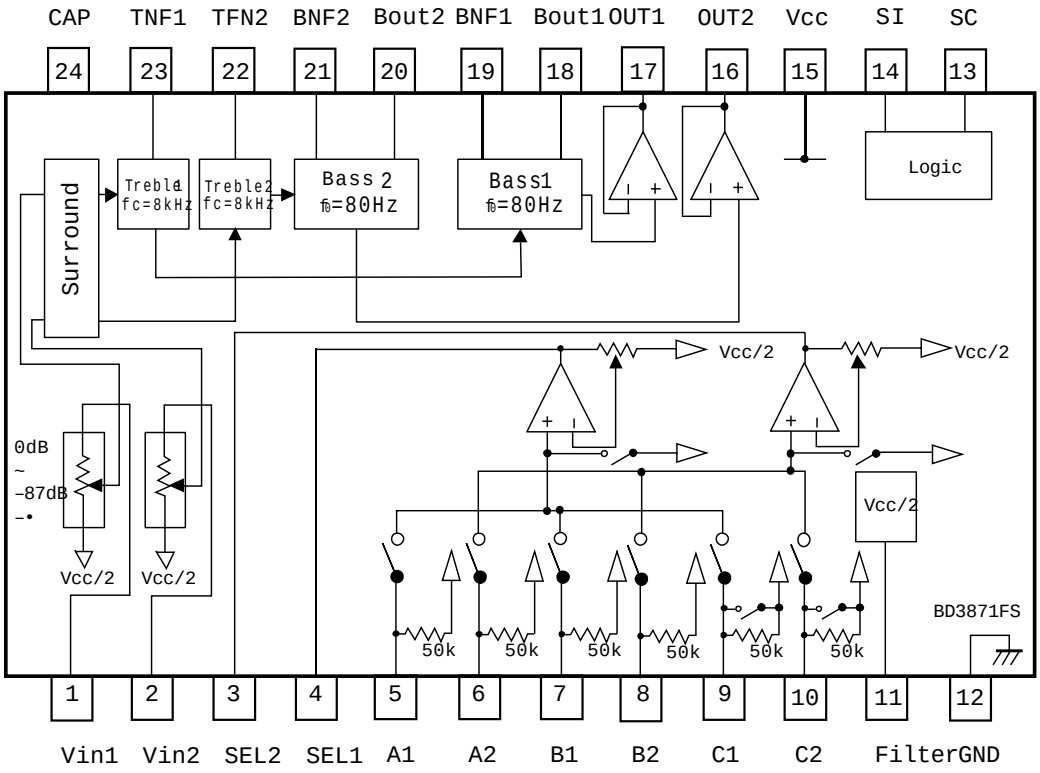
AMP MAIN C.B -Top View-



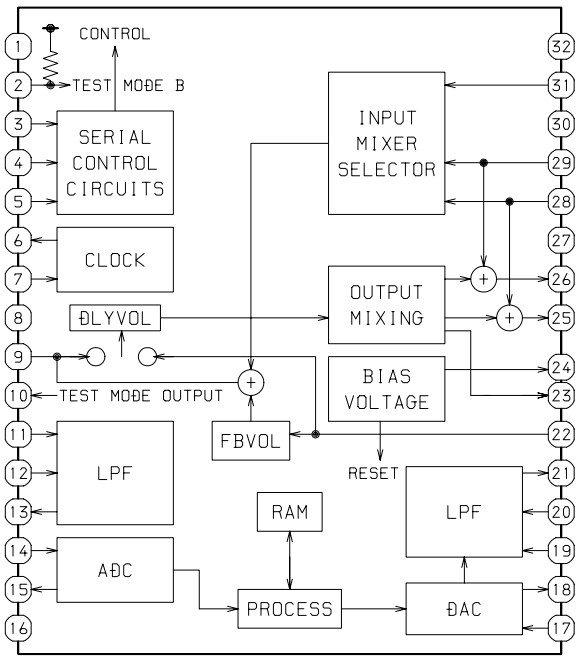
AMP MAIN C.B -Bottom View-



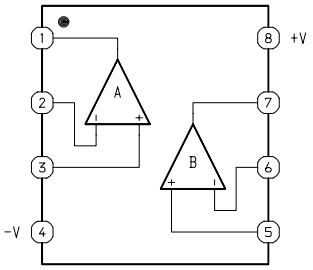
IC, BD3870FS



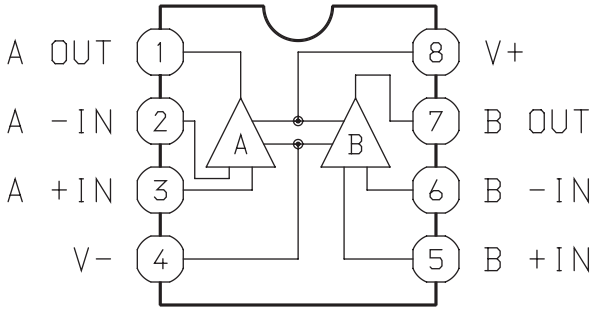
IC, BU9262AFS



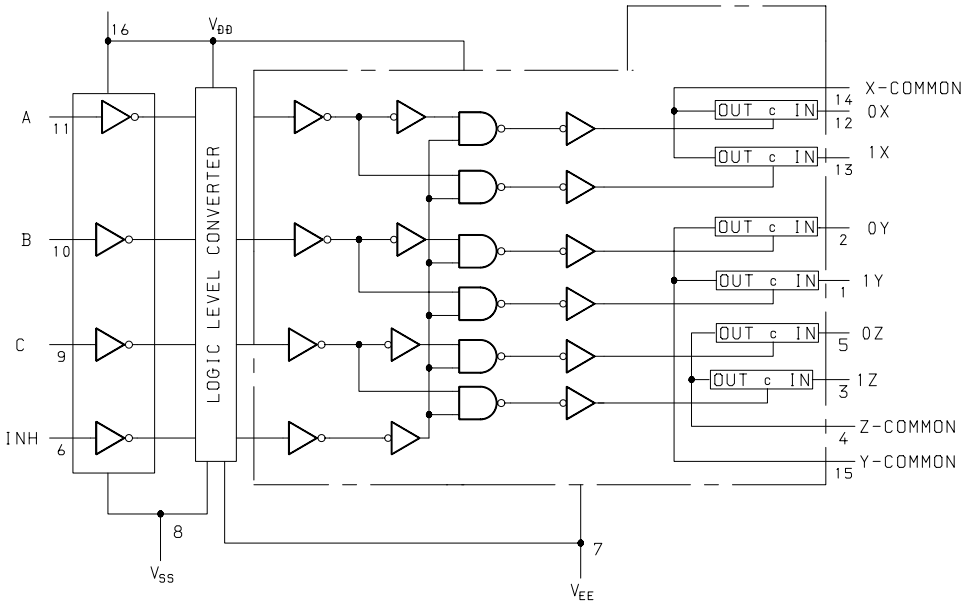
IC, NJM2903M



IC, NJM14558MD-TE2



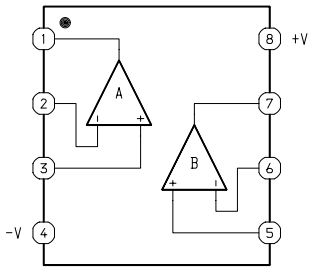
IC, TC4053BF



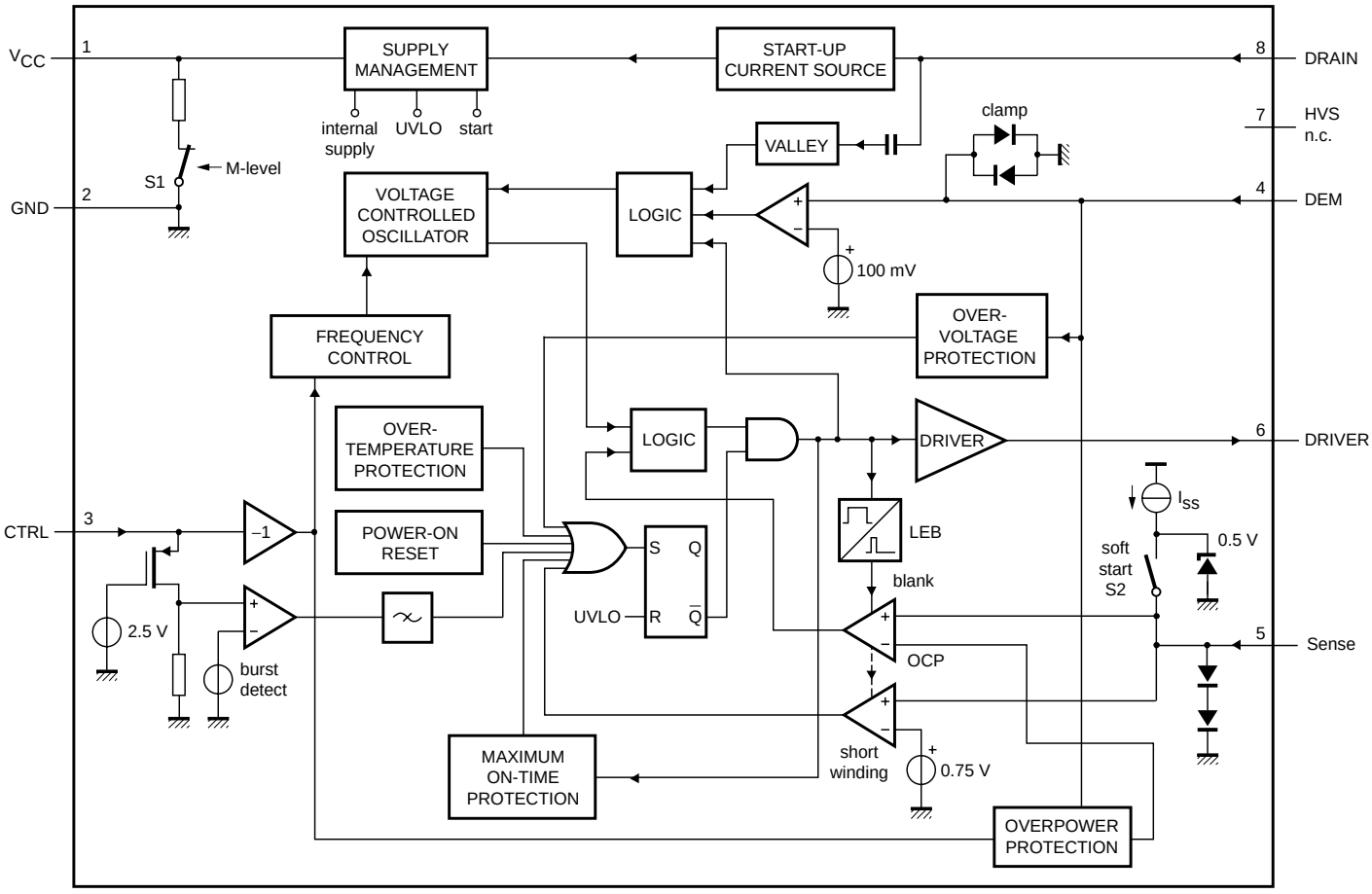
CONTROL INPUTS			
INHIBIT	C △	B	A
L	L	L	L
L	L	L	H
L	L	H	L
L	L	H	H
L	H	L	L
L	H	L	H
L	H	H	L
L	H	H	L
L	H	H	H
H	※	※	※

※:DON't Care △Expect TC4052B

IC, NJM4556AM



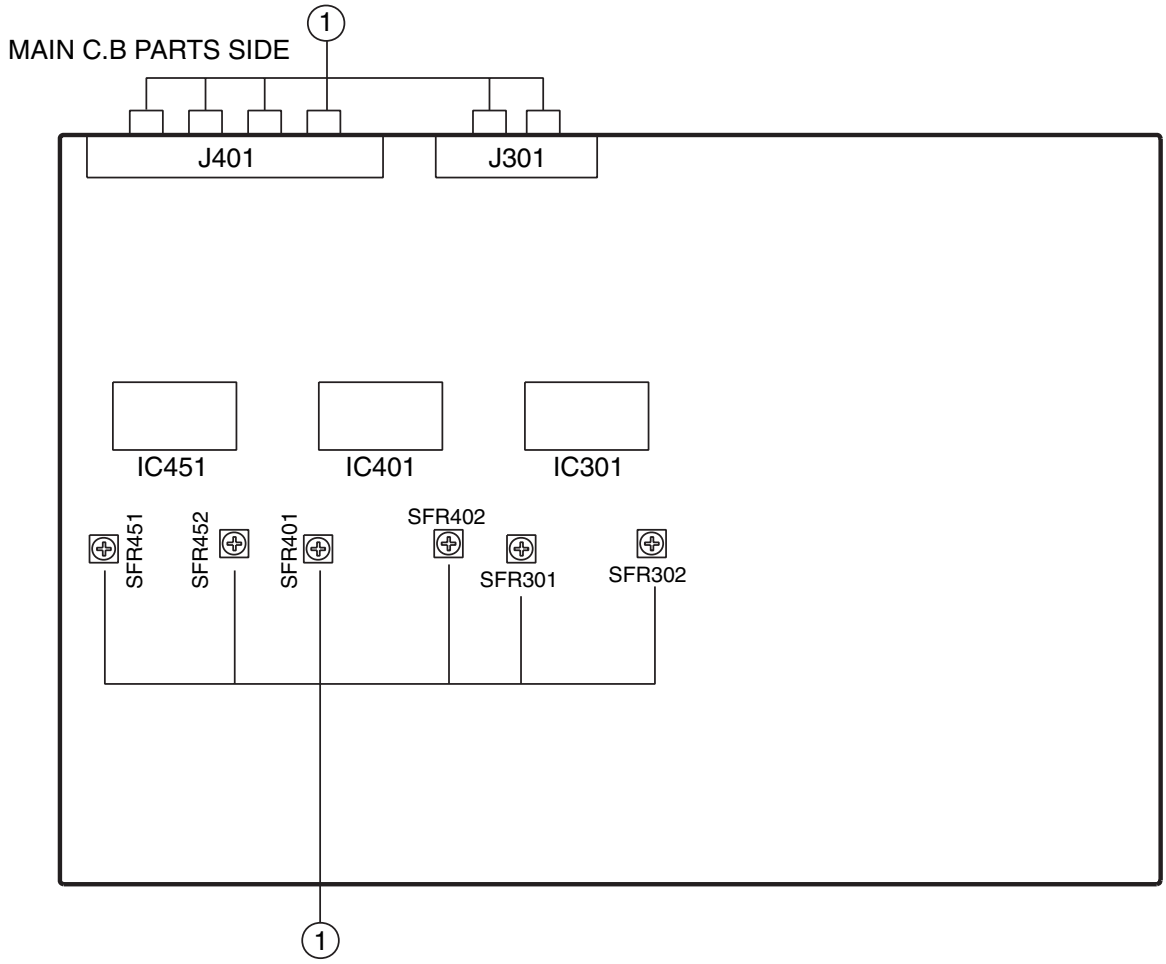
IC, TEA1507P


VCC
1
GND
2
CTRL
3
DRAIN
8
HVS
n.c.
7
DEM
4
DRIVER
6
Sense
5
SUPPLY MANAGEMENT
START-UP CURRENT SOURCE
internal supply
UVLO
start
VALLEY
clamp
S1
M-level
VOLTAGE CONTROLLED OSCILLATOR
LOGIC
100 mV
FREQUENCY CONTROL
OVER-VOLTAGE PROTECTION
OVER-TEMPERATURE PROTECTION
LOGIC
DRIVER
POWER-ON RESET
S
Q
R
Q
UVLO
LEB
blank
Iss
soft start S2
0.5 V
2.5 V
burst detect
OCP
short winding
0.75 V
MAXIMUM ON-TIME PROTECTION
OVERPOWER PROTECTION

Pin No.	Pin Name	I/O	Description
1	FAUL	I	AUDIO MUTE Active: H
2	RLY	O	RELAY SW Active: L
3	PWR	O	POWER LED Active: L
4	MUTE LED	O	Control of MUTE Light Emitting Diode. Active: L
5	SRSLED	O	Control of SURROUND Light Emitting Diode. Active: L
6	CLK	I	CLK (communication with a DVD microcomputer.)
7	RTRYA	I	Rotary encoder A ctive: L
8	RTRYB	I	Rotary encoder B Active: L
9	RESET	I/O	“The input-and-output terminal of a reset pulse. Under the system reset by the time of reset generating by the watch dock timer, and the sag detection circuit L is outputted.”
10	CNVSS	-	It connects with Vss and this terminal surely impresses L.
11	XOUT	O	The output terminal of a system clock generating circuit.
12	XIN	I	The input terminal of a system clock generating circuit.
13	VSS	-	GND terminal.
14	VDD	-	Power supply supply terminal.
15	VDCE	I	“Operation or a stop of a sag detection circuit is controlled. H: Operation, L : stop”
16	TXD	I	TXD(Communication with a DVD microcomputer.)
17	RXD	O	RXD(Communication with a DVD microcomputer.)
18	KEY	I	KEY input
19	HPIN	I	Headphone detection input. Active: 2.5V UNDER
20	POWER DET	I	“For abnormal detection of a power supply circuit. ctive: 2.5V OVER”
21	BURST IN	I	For intermittent oscillation control of a power supply circuit Active: 2.5V OVER
22	PWR	O	SW for power supply circuits Active: L
23	SC	O	Communication with IC for volume control
24	SI	O	Communication with IC for volume control
25	WOOFER	O	SUB WOOFER SW Active: H
26	CLOCL	O	Communication with IC for SARAUNDO control
27	DATA	O	Communication with IC for SARAUNDO control
28	LATCH	O	Communication with IC for SARAUNDO control
29	BURST OUT	O	For intermittent oscillation control of a power supply circuit. Active: L
30	BASS	O	Control of BASS Light Emitting Diode. Active: L
31	TREBLE	O	Control of TREBLE Light Emitting Diode. Active: L
32	DEFEAT	O	Control of TONE DEFEAT Light Emitting Diode. Active: L

Pin No.	Pin Name	I/O	Description
1	GND-SUB	-	Substrate ground
2	OUT2B	O	Output half bridge 2B
3	OUT2B	O	Output half bridge 2B
4	Vcc2B	-	Positive supply
5	GND2B	-	Negative supply
6	GND2A	-	Negative supply
7	Vcc2A	-	Positive supply
8	OUT2A	O	Output half bridge 2A
9	OUT2A	O	Output half bridge 2A
10	OUT1B	O	Output half bridge 1B
11	OUT1B	O	Output half bridge 1B
12	Vcc1B	-	Positive supply
13	GND1B	-	Negative supply
14	GND1A	-	Negative supply
15	Vcc1A	-	Positive supply
16	OUT1A	O	Output half bridge 1A
17	OUT1A	O	Output half bridge 1A
18	NC	-	Not connected
19	GND-clean	-	Logic ground
20	GND-Reg	-	Ground for Vdd regulator
21	Vdd	-	5V regulator referenced to ground
22	Vdd	-	5V regulator referenced to ground
23	IBIAS	-	Logic high voltage
24	CONFIG	-	Config input
25	PWRDN	I	Stand-by pin
26	TRI-STATE	O	Hi-Z pin
27	FAULT	O	Fault output
28	TH-WAR	O	Thermal warning output
29	IN1A	I	Input of half bridge 1A
30	IN1B	I	Input of half bridge 1B
31	IN2A	I	Input of half bridge 2A
32	IN2B	I	Input of half bridge 2B
33	Vss	-	5V regulator referenced to Vcc
34	Vss	-	5V regulator referenced to Vcc
35	VccSign	-	Signal positive supply
36	VccSign	-	Signal positive supply

Pin No.	Pin Name	I/O	Description
1	BIASCAP	-	Bandgap reference times two (typically 2.5VDC). Used to set the common mode voltage for the input op amps. This pin is not capable of driving external circuitry.
2	FDBKP2	O	Positive switching feedback.
3	DCMP	-	Internal mode selection. This pin must be grounded for proper device operation.
4	FDBKN2	0	Negative switching feedback.
5	VPWR	-	Test pin. Must be left floating.
6	FDBKP1	I	Positive switching feedback.
7	FDBKN1	I	Negative switching feedback.
8	HMUTE	O	Logic output. A logic high indicates both amplifiers are muted, due to the mute pin state, or a “fault”.
9	Y1	O	Non-inverted switching modulator outputs.
10	Y1B	O	Inverted switching modulator outputs.
11	Y2B	O	Inverted switching modulator outputs.
12	Y2	O	Non-inverted switching modulator outputs.
13	NC	-	No connect
14	OCD2	-	Over Current Detect.
15	REF	-	Internal reference voltage; approximately 1.2 VDC.
16	OCD1	-	Over Current Detect. This pin must be grounded for proper device operation.
17	VnnSense	-	Negative power stage over/under supply voltage sense resistor tie point.
18	OVRLDB	-	A logic low output indicates the input signal has overloaded the amplifier.
19	VppSense	-	Positive power stage over/under supply voltage sense resistor tie point.
20	AGND	-	Ground
21	V5	I	5 Volt power supply input.
22	OAout1	O	Input stage output pins.
23	INv1	I	Single-ended inputs. Inputs are a ÅgvirtualÅh ground of an inverting opamp with approximately 2.4VDC bias.
24	MUTE	I	When set to logic high, both amplifiers are muted and in idle mode. When low (grounded),both amplifiers are fully operational. If left floating, the device stays in the mute mode.Ground if not used.
25	BBM0	-	Break-before-make timing control to prevent shoot-through in the output FETs.
26	BBM1	-	Break-before-make timing control to prevent shoot-through in the output FETs.
27	OAout2	I	Input stage output pins.



1. DC OFFSET Adjustment

Conditions:

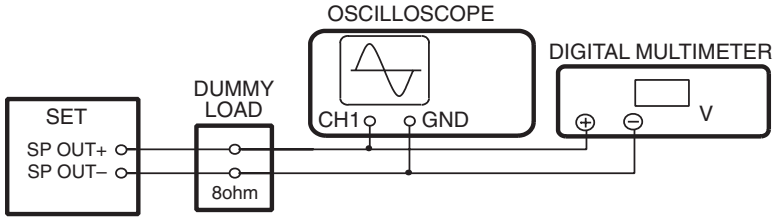
• Measuring instrument : Oscilloscope (DC range)
Digital multi-meter

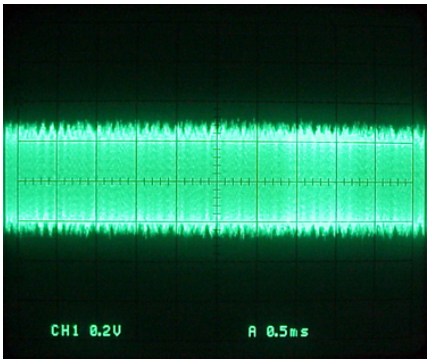
FUNCTION : DVD STOP state

Output side : Dummy resistance (8ohms) connection

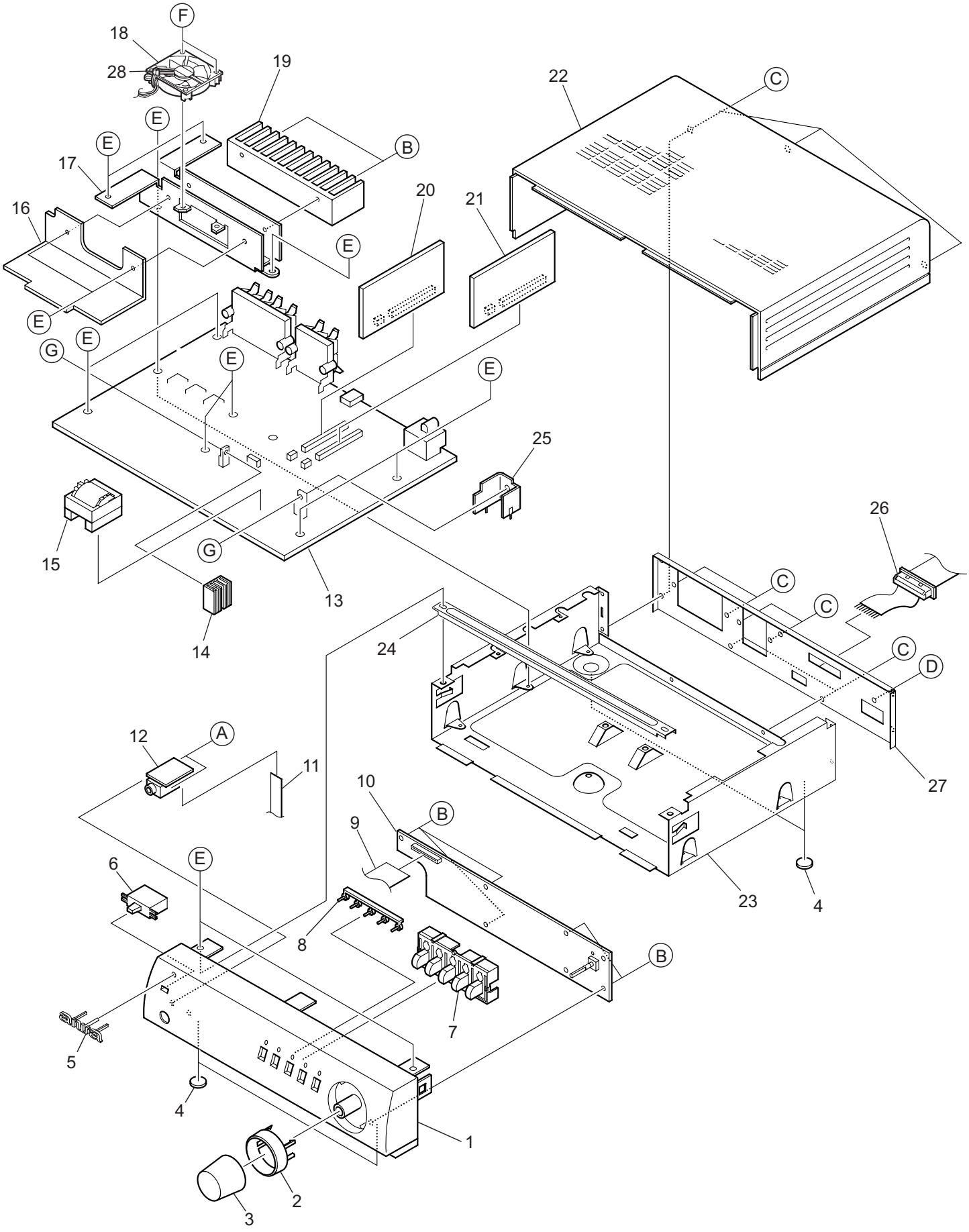
Test point : SP OUT, J301 (FRONT Lch and Rch)
J401 (SURROUND Lch, Rch / CENTER / SUB WOFER)

Adjustment point : SFR301 (FRONT Lch)
SFR302 (FRONT Rch)
SFR401 (SURROUND Lch)
SFR402 (SURROUND Lch)
SFR451 (SUB-WOOFER)
SFR452 (CENTER)





1. As shown in the above figure, please connect SP OUT,J301(FRONT Lch) of a set.
2. Please adjust so that the display of digital multi-meter goes into 0 ±10mV. Moreover, please check whether the center of the noise of an oscilloscope is a center.
3. Please adjust other channels similarly. (Only SUB-WOOFER : lessthan 0 ± 20mV)


F
18
28
19
22
C
E
E
B
17
20
21
16
E
E
G
E
E
E
25
15
26
G
13
C
C
14
24
C
D
27
12
A
11
10
B
9
6
E
8
B
23
4
7
5
4
1
2
3

! = ⚠ SAFTY PARTS
C = Components marked
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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XA-SDV1 USM
		O	MC1001	8C-AA5-011-010	CABI,FR U AMP	a
		O	MC1002	8C-AA5-005-010	RING,VOL	a
		O	MC1003	8C-AA5-004-010	KNOB,RTRY VOL	a
		O	MC1004	8C-AA5-203-010	FOOT,10-3	a
		O	MC1005	87-B00-043-010	BADGE,AIWA 25 ABS SIL ND063	a
		O	MC1006	8C-AA5-007-010	LENS,PW	a
		O	MC1007	8C-AA5-003-010	KEY,MAIN	a
		O	MC1008	8C-AA5-006-010	LENS,LED	a
		O	MC1009	8C-AV5-625-010	FF-CABLE,19P 1.25 270MM WHITE	a
		X	MC1010	8C-AV5-611-010	PWB,FRONT	a
		O	MC1011	8C-AV5-626-010	FF-CABLE,4P 1.25 205MM WHITE 1	a
		X	MC1012	8C-AV5-612-010	PWB,HP-J	a
		X	MC1013	8C-AV5-603-110	PWB,AMP MAIN (U)	a
		X	MC1014	87-A92-376-010	HT-SINK,BPUE26-30 11.6DG/W	a
	!	O	MC1015	8C-AA5-630-010	PT,D SW CAA-5	a
		X	MC1016	8C-AA5-213-010	SHLD-PLATE,HT	a
		X	MC1017	8C-AA5-205-010	HT-SINK,AMP	a
		O	MC1018	87-A92-406-010	FAN, KDE-0504PFV2-A	a
		X	MC1019	8C-AA5-208-010	HT-SINK,EG98-20 FOR AMP	a
		X	MC1020	8C-AV5-606-110	PWB,SURROUND	a
						XA-SDV1 USM
		X	MC1021	8C-AV5-607-110	PWB,SELECTOR	a
		O	MC1022	8C-AA5-014-010	CABI,TOP AMP HALO	a
		X	MC1023	8C-AA5-201-010	CHAS,MAIN	a
		X	MC1024	8C-AA5-202-010	HLDR,STAY	a
		X	MC1025	8C-AA5-209-010	HT-SINK,ASSY PW	a
		X	MC1025a	8C-AA5-206-010	HT-SINK,PW	a
		X	MC1025b	8Z-JE7-212-010	PLATE,FOOT	a
		O	MC1026	8C-AV5-615-010	CONN ASSY,13P 52305-1311	a
		O	MC1027	8C-AA5-015-010	PLATE,REAR U	a
		O	MC1028	87-069-033-010	CABLE,TIE	a
		O	MC1A	87-761-096-410	VFT2+3-10 W/O SLOT	a
		O	MC1B	87-067-703-010	BVT2+3-10 W/0 SL0T	a
		O	MC1C	87-743-096-410	UT2+3-10 W/O SLOT BLK	a
		O	MC1D	87-743-094-410	UT2+3-6 W/O SLOT BLK	a
		O	MC1E	87-067-584-010	BVT2+3-6 W/0 SL0T	a
		O	MC1F	87-067-581-010	BVT2+3-15 W/0 SL0T	a
		O	MC1G	87-067-579-010	BVT2+3-8 W/O SLOT	a

COLOR NAME TABLE -1/1

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern

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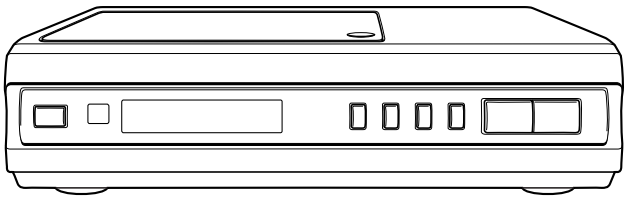
UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XA-SDV1 USM
		X		93-704-281-010	BAG,FOAMED 0.31-300-300	a
		X		8C-AVF-851-010	CUSHION,LEFT CAVF	a
		X		8C-AVF-852-010	CUSHION,RIGHT CAVF	a
		X		93-704-281-010	BAG,FOAMED 0.31-300-300	a
		X		8C-AA5-851-010	CUSHION,LEFT AMP	a
		X		8C-AA5-852-010	CUSHION,RIGHT AMP	a
		X		87-B40-086-010	BAG,PV 0.04-230-400 PL	a
		X		87-619-032-210	WIRE,B9-3-2	a
		X		8C-AVF-972-010	LBL,POP K2	a
		X		8C-AV5-913-010	SH,ADDITIONAL DTS(ES)	a
		X		87-B50-107-010	SH,CAUTION SAFETY UL1492	a
		X		87-B50-053-010	WARR-CARD,USA CUST/AV,VISUAL	a
		X		8C-AA5-207-010	SH,IC HT 16-10-0.5	a
		X		8C-AA5-212-010	CLOTH,40-15-0.35	a
		X		8C-AA5-210-010	SH, PC 162-57-0.5 W/ADH	a
		X		8C-AV5-605-110	PWB,COMB SURR 3M	a
		X		8C-AV5-610-010	PWB,COMB FR 4M	a
		X		87-B40-282-010	LBL,BAR-CODE AU 35X8	a
		X		8C-AA5-016-010	LBL,CAUTION U	a

XD-DV1 YU (S)



SERVICE MANUAL

COMPACT SIZE DVD PLAYER

BASIC DVD/CD MECHANISM : KHM-230

aiwa

DATA

1. Cautions at time of C-IC, M29W160DT90N1-AVF01 (8A-CVF-640-030) exchange, and upgrade of firmware of BACKEND.
   Please be sure to write in the firmware of BACKEND after exchanging this IC.
   Unless it does the following work, it does not operate normally.
   Moreover, please do the same work also with upgrade.

Preparation :

1. Burn the file (firmware) united with each suffix to CD-R. * Please refer the STI G-A2-025-E0.
   File: autoboot.ab / flash.ab / hwf.ab / hws.ab.
2. The monitor is connected to set.
3. Prepare either remote control RC-AVL01 (8A-AV6-620-010) or RC-AVL08 (8A-AV6-622-010).

Procedure:

1. POWER ON.
2. Insert CD-R DISC and shut a lid.
3. A screen changes like fig.1 after a NO DISC display.
4. After about 30 seconds, upgrade screen (fig.2) It changes.
5. Completion screen (fig.3) DC plug will be pulled out if it becomes.
6. Take out DISC and insert DC plug.
7. Initialize in the state of POWER OFF and open the lid by pressing the "STOP" button and "POWER" button of a main part 3 seconds or more simultaneously.
   (a display -- "-----" -> it is displayed as "CLEAr")

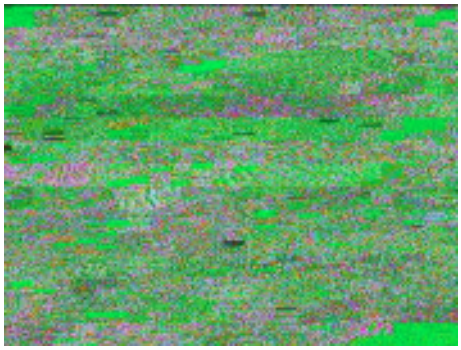


FIG.1

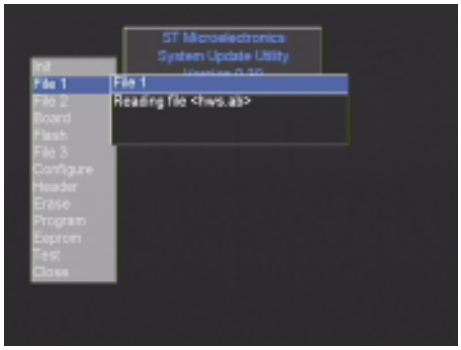


FIG.2

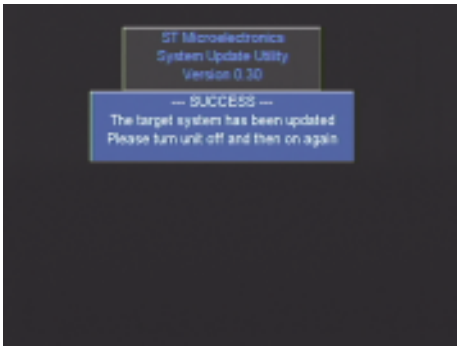

ST Microelectronics
System Update Utility
Version 0.30
-- SUCCESS --
The target system has been updated
Please turn unit off and then on again

FIG.3

Check:

1. Press the SUBTITLE "ON/OFF" button of remote control in the state of POWER ON.
2. Version number /region code can be checked.
3. Press and cancel the "ON / OFF" button of remote control once again.

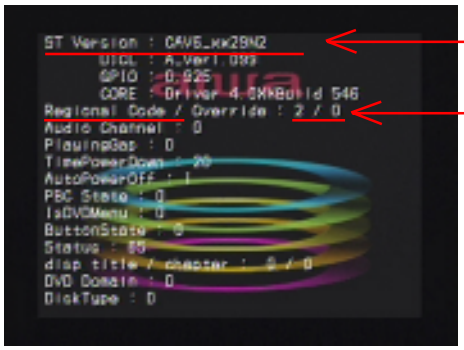


FIG.4

2. Upgrade of Firmware of FRONTEND

Preparation :

1) Record a file (firmware) on CD-R. * Please refer the STI G-A2-015-E0.

1. Volume label It is made MEDIATEK.

2. File name It is made MTK.bin.

Procedure:

1) POWER ON.

2) Insert CD-R disc and shut a lid.

3) Since disc begins to turn, rotation stops at grade automatically for 10 seconds.

4) Disc will be taken out if it checks that disc has stopped.

5) Wait for about 10 seconds in the state where the lid is open.

6) Pull out DC plug.

* When rotation does not stop automatically during upgrade, a problem may be in how to make CD-R.

Caution:

About the version of the firmware of FRONTEND,it cannot check by the monitor etc.

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
FRONT		O	C 0300	87-010-078-080	CAP,E 47-6.3 M 5L SRE	a
FRONT		O	C 0301	87-010-078-080	CAP,E 47-6.3 M 5L SRE	a
FRONT		O	C 0302	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
FRONT		O	C 0303	87-A11-144-080	CAP,TC U 0.1-50 K B	a
FRONT		O	C 0304	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
FRONT		O	C 0305	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
FRONT		O	C 0306	86-ZA1-616-080	C-CAP,U 0.01-50 K B (MUR)	a
FRONT		O	C 0308	86-ZA1-616-080	C-CAP,U 0.01-50 K B (MUR)	a
FRONT		O	C 0309	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
FRONT		O	CN 0300	87-A60-771-010	CONN,20P B TMC-D(X)	a
FRONT		O	D 0301	87-A92-361-010	LED,SELU5720CGREEN	a
FRONT		S	IC 0300	87-A21-245-010	IC,RPM6938-V4	a
FRONT		S	IC 0301	8C-AV6-617-030	C-IC,HD6433802A57FP	a
FRONT		S	IC 0302	87-A20-648-080	IC,PST600J	a
FRONT		X	JR 0001	88-108-000-080	C-JUMPER,U	a
FRONT		X	JR 0002	88-108-000-080	C-JUMPER,U	a
FRONT		X	JR 0003	88-108-000-080	C-JUMPER,U	a
FRONT		X	JR 0004	88-108-000-080	C-JUMPER,U	a
FRONT		O	L 0300	87-003-149-080	COIL,47UH J LAL02	a
FRONT		O	L 0301	87-003-149-080	COIL,47UH J LAL02	a
						XD-SDV1 YUSM
FRONT		O	LCD0300	8C-AV6-610-010	LCD,CAV-6	a
FRONT		S	Q 0300	87-A30-455-040	C-TR,DTA144EKA	a
FRONT		X	R 0306	88-121-222-080	RES,2.2K-1/8W J	a
FRONT		X	R 0308	88-121-332-080	RES,3.3K-1/8W J	a
FRONT		X	R 0310	88-108-682-080	C-RES,U 6.8K-1/16W J	a
FRONT		O	R 0312	88-108-223-080	C-RES,U 22K-1/16W J	a
FRONT		O	R 0313	88-108-822-080	C-RES,U 8.2K-1/16W J	a
FRONT		X	R 0314	88-121-473-080	RES,47K-1/8W J	a
FRONT		X	R 0315	88-121-471-080	RES,470-1/8W J	a
FRONT		O	R 0316	87-022-237-080	C-RES,U 8.2K-1/16W F	a
FRONT		O	R 0317	87-022-237-080	C-RES,U 8.2K-1/16W F	a
FRONT		X	R 0318	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0320	88-121-472-080	RES,4.7K-1/8W J	a
FRONT		X	R 0321	88-121-103-080	RES,10K-1/8W J	a
FRONT		X	R 0322	88-108-105-080	C-RES,U 1M-1/16W J	a
FRONT		O	R 0323	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0324	88-121-223-080	RES,22K-1/8W J	a
FRONT		X	R 0325	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0326	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0327	88-108-000-080	C-JUMPER,U	a
						XD-SDV1 YUSM
FRONT		X	R 0329	88-108-270-080	C-RES,U 27-1/16W J	a
FRONT		X	R 0333	88-108-333-080	C-RES,U 33K-1/16W J	a
FRONT		O	R 0334	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT		X	R 0335	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		X	R 0336	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0338	88-121-223-080	RES,22K-1/8W J	a
FRONT		O	S 0300	87-A90-164-080	SW,TACT SKQNAB(N)	a
FRONT		O	S 0301	87-A90-164-080	SW,TACT SKQNAB(N)	a
FRONT		O	S 0302	87-A90-164-080	SW,TACT SKQNAB(N)	a
FRONT		O	S 0303	87-A90-164-080	SW,TACT SKQNAB(N)	a
FRONT		O	S 0304	87-A90-164-080	SW,TACT SKQNAB(N)	a
FRONT		O	S 0305	87-A90-164-080	SW,TACT SKQNAB(N)	a
FRONT		O	S 0306	87-A90-164-080	SW,TACT SKQNAB(N)	a
FRONT		O	X 0300	87-030-167-080	VIB,CER 4.000MHZ CST	a
MAIN		O	C 0002	87-010-196-080	C-CAP,S 0.1-25 Z F C2012	a
MAIN		O	C 0003	87-A11-057-080	C-CAP,U 0.1-16 K B	a
MAIN		O	C 0004	87-A11-282-080	C-CAP,S 1-16 K B	a
MAIN		O	C 0005	87-A11-976-080	C-CAP,E 470-16 M 10.5L MV	a
MAIN		O	C 0006	87-A12-793-080	C-CAP,E 220-6.3 M MVY-F60	a
MAIN		O	C 0007	87-A11-057-080	C-CAP,U 0.1-16 K B	a
						XD-SDV1 YUSM
MAIN		O	C 0008	87-A12-793-080	C-CAP,E 220-6.3 M MVY-F60	a
MAIN		O	C 0009	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0010	87-010-779-080	C-CAP,E 100-6.3 M MV	a
MAIN		O	C 0011	87-A11-057-080	C-CAP,U 0.1-16 K B	a
MAIN		O	C 0012	87-A11-976-080	C-CAP,E 470-16 M 10.5L MV	a
MAIN		O	C 0013	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0014	87-A11-057-080	C-CAP,U 0.1-16 K B	a
MAIN		O	C 0015	87-A11-976-080	C-CAP,E 470-16 M 10.5L MV	a
MAIN		O	C 0016	87-A11-282-080	C-CAP,S 1-16 K B	a
MAIN		O	C 0017	87-A11-282-080	C-CAP,S 1-16 K B	a
MAIN		O	C 0018	87-A12-793-080	C-CAP,E 220-6.3 M MVY-F60	a
MAIN		O	C 0019	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0020	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0021	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0022	87-A11-282-080	C-CAP,S 1-16 K B	a
MAIN		O	C 0100	87-016-427-080	C-CAP,E 47-6.3 M 5.5L WX	a
MAIN		O	C 0101	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0102	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0103	87-016-430-080	C-CAP,E 100-6.3 M 5.5L WX	a
MAIN		O	C 0104	87-016-430-080	C-CAP,E 100-6.3 M 5.5L WX	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
MAIN		O	C 0105	87-A10-047-080	C-CAP,U 1-10 Z F	a
MAIN		O	C 0106	87-A10-047-080	C-CAP,U 1-10 Z F	a
MAIN		O	C 0107	87-A10-047-080	C-CAP,U 1-10 Z F	a
MAIN		O	C 0108	87-A10-047-080	C-CAP,U 1-10 Z F	a
MAIN		O	C 0109	87-A10-047-080	C-CAP,U 1-10 Z F	a
MAIN		O	C 0110	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0111	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0113	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0114	87-012-282-080	C-CAP,U 4700P-50 K B GRM	a
MAIN		O	C 0115	87-012-269-080	C-CAP,U 390P-50 K B GRM	a
MAIN		O	C 0116	87-012-269-080	C-CAP,U 390P-50 K B GRM	a
MAIN		O	C 0117	87-012-269-080	C-CAP,U 390P-50 K B GRM	a
MAIN		O	C 0118	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0119	87-010-785-080	C-CAP,U 0.015-25 K B GRM	a
MAIN		O	C 0120	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a
MAIN		O	C 0121	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
MAIN		O	C 0122	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0124	87-A11-170-080	C-CAP,S 4.7-6.3 K B	a
MAIN		O	C 0125	87-016-429-080	C-CAP,E 100-4 M WX	a
MAIN		O	C 0126	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a
						XD-SDV1 YUSM
MAIN		O	C 0127	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0128	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0129	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0131	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0133	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0134	87-012-197-080	C-CAP,U 150P-50 J CH GRM	a
MAIN		O	C 0135	87-012-197-080	C-CAP,U 150P-50 J CH GRM	a
MAIN		O	C 0136	87-A13-111-080	CAP,E 4700-10 M SMG	a
MAIN		O	C 0136	87-A13-111-080	CAP,E 4700-10 M SMG	a
MAIN		O	C 0137	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0139	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0140	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0141	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0142	87-016-430-080	C-CAP,E 100-6.3 M 5.5L WX	a
MAIN		O	C 0143	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0200	87-016-427-080	C-CAP,E 47-6.3 M 5.5L WX	a
MAIN		O	C 0201	87-A10-047-080	C-CAP,U 1-10 Z F	a
MAIN		O	C 0202	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a
MAIN		O	C 0203	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a
MAIN		O	C 0204	87-A10-504-080	C-CAP,U 0.047-16 K B	a
						XD-SDV1 YUSM
MAIN		O	C 0205	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0206	87-012-268-080	C-CAP,U 330P-50 K B GRM	a
MAIN		O	C 0207	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0208	87-012-268-080	C-CAP,U 330P-50 K B GRM	a
MAIN		O	C 0209	87-012-271-080	C-CAP,U 560P-50 K B GRM	a
MAIN		O	C 0210	87-010-785-080	C-CAP,U 0.015-25 K B GRM	a
MAIN		O	C 0211	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0212	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0213	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0214	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0215	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0216	87-012-168-080	C-CAP,U 6P-50 D CH GRM	a
MAIN		O	C 0217	87-012-168-080	C-CAP,U 6P-50 D CH GRM	a
MAIN		O	C 0218	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0219	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0220	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0221	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0222	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0223	87-012-179-080	C-CAP,U 20P-50 J CH GRM	a
MAIN		O	C 0224	87-012-179-080	C-CAP,U 20P-50 J CH GRM	a
						XD-SDV1 YUSM
MAIN		O	C 0225	87-012-179-080	C-CAP,U 20P-50 J CH GRM	a
MAIN		O	C 0226	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0227	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0229	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0230	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0231	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0232	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0233	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0234	87-016-427-080	C-CAP,E 47-6.3 M 5.5L WX	a
MAIN		O	C 0235	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0236	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
MAIN		O	C 0237	87-012-197-080	C-CAP,U 150P-50 J CH GRM	a
MAIN		O	C 0238	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a
MAIN		O	C 0239	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a
MAIN		O	C 0240	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0241	87-016-427-080	C-CAP,E 47-6.3 M 5.5L WX	a
MAIN		O	C 0242	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
MAIN		O	C 0243	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
MAIN		O	C 0244	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
MAIN		O	C 0245	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
MAIN		O	C 0246	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0247	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0248	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0249	87-016-427-080	C-CAP,E 47-6.3 M 5.5L WX	a
MAIN		O	C 0250	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0251	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0252	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0253	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0254	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0255	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0256	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0257	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0557	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0558	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0559	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0602	87-016-428-080	C-CAP,E 47-16 M 5.5L WX	a
MAIN		O	C 0603	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0604	87-016-429-080	C-CAP,E 100-4 M WX	a
MAIN		O	C 0605	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0606	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
						XD-SDV1 YUSM
MAIN		O	C 0607	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0608	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0609	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0610	87-016-427-080	C-CAP,E 47-6.3 M 5.5L WX	a
MAIN		O	C 0611	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0612	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0613	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0614	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0615	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0618	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0619	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0621	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0622	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0623	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0624	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0625	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0626	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0627	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0629	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0630	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
						XD-SDV1 YUSM
MAIN		O	C 0631	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0633	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0634	87-012-170-080	C-CAP,U 8P-50 D CH GRM	a
MAIN		O	C 0635	87-012-170-080	C-CAP,U 8P-50 D CH GRM	a
MAIN		O	C 0636	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0637	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0638	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0639	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0640	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0641	87-A13-070-080	C-CAP,S 10-6.3 M B	a
MAIN		O	C 0642	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0643	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0644	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0645	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0646	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0650	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0651	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0652	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0653	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0654	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
						XD-SDV1 YUSM
MAIN		O	C 0655	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0751	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0752	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0753	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0800	87-A10-025-080	C-CAP,U 0.22-16 Z F	a
MAIN		O	C 0801	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0802	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0803	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0804	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0805	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0806	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0807	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0808	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0809	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0810	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0811	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0812	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0813	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0814	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0815	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a

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						XD-SDV1 YUSM
MAIN		O	C 0816	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0817	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0819	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0820	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0830	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0831	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0832	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0833	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0834	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0835	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0836	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0837	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0838	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0839	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0840	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0841	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0842	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0843	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0844	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0845	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
						XD-SDV1 YUSM
MAIN		O	C 0846	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0847	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
MAIN		O	C 0848	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
MAIN		O	C 0849	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
MAIN		O	C 0850	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
MAIN		O	C 0851	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
MAIN		O	C 0852	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
MAIN		O	C 0853	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
MAIN		O	C 0854	87-012-267-080	C-CAP,U 270P-50 K B GRM	a
MAIN		O	C 0855	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0856	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0857	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0858	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0859	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0860	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0861	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0862	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0863	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0864	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0865	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
						XD-SDV1 YUSM
MAIN		O	C 0866	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0884	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0885	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0886	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0900	87-016-430-080	C-CAP,E 100-6.3 M 5.5L WX	a
MAIN		O	C 0901	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0905	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a
MAIN		O	C 0906	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a
MAIN		O	C 0907	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a
MAIN		O	C 0911	87-012-170-080	C-CAP,U 8P-50 D CH GRM	a
MAIN		O	C 0912	87-012-170-080	C-CAP,U 8P-50 D CH GRM	a
MAIN		O	C 0913	87-012-170-080	C-CAP,U 8P-50 D CH GRM	a
MAIN		O	C 0917	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a
MAIN		O	C 0918	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a
MAIN		O	C 0919	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a
MAIN		O	C 0920	87-016-429-080	C-CAP,E 100-4 M WX	a
MAIN		O	C 0921	87-016-429-080	C-CAP,E 100-4 M WX	a
MAIN		O	C 0922	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0923	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
MAIN		O	C 0924	87-010-848-080	C-CAP,E 10-16 M 5.5L MV	a
						XD-SDV1 YUSM
MAIN		O	C 0925	87-A10-047-080	C-CAP,U 1-10 Z F	a
MAIN		O	C 0926	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0927	87-A10-047-080	C-CAP,U 1-10 Z F	a
MAIN		O	C 0928	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	C 0929	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN		O	C 0930	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN		O	CN 0100	87-A61-720-080	C-CONN,25P H WHT 52852-2590	a
MAIN		O	CN 0101	87-A61-144-080	C-CONN,6P H PH-SM3-TB	a
MAIN		O	CN 0600	87-A61-829-080	C-CONN,7P V WHT BM07B-SRSS-TB	a
MAIN		O	CN 0601	87-A60-779-010	CONN,20P B TMC-D(P)	a
MAIN		O	CN 0602	87-099-440-080	C-CONN,2P H WHT ZR-SM3A-TF	a
MAIN		O	CN 0800	87-A61-749-010	CONN,13P H BLK 52303-1311	a
MAIN		S	D 0002	87-A41-094-080	C-DIODE,CMS06	a
MAIN		S	D 0004	87-A40-797-040	C-DIODE,SBE001	a
MAIN		S	D 0007	87-A40-524-040	C-DIODE,1SR154-400	a
MAIN		S	D 0600	87-A41-003-040	C-DIODE,RB521S-30	a
MAIN		S	D 0800	87-020-125-080	C-DIODE,1SS181	a
MAIN		S	D 0802	87-XM1-603-080	C-DIODE,1SS193	a
MAIN		S	D 0830	87-017-365-040	C-DIODE,DA204U	a
MAIN		S	D 0831	87-017-365-040	C-DIODE,DA204U	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME		SUFFIX&MODEL
							XD-SDV1 YUSM
MAIN		S	D 0900	87-017-365-040	C-DIODE,DA204U		a
MAIN		S	D 0901	87-017-365-040	C-DIODE,DA204U		a
MAIN		S	D 0902	87-017-365-040	C-DIODE,DA204U		a
MAIN		O	FB 0100	87-A50-208-080	C-COIL,BLM11A601SPT		a
MAIN		O	FB 0600	87-A91-763-080	C-F-BEAD, BK1608LM252		a
MAIN		X	FB 0830	88-108-000-080	C-JUMPER,U		a
MAIN		X	FB 0831	88-108-000-080	C-JUMPER,U		a
MAIN		X	FB 0832	88-108-000-080	C-JUMPER,U		a
MAIN		X	FB 0833	88-108-000-080	C-JUMPER,U		a
MAIN		X	FB 0834	88-108-000-080	C-JUMPER,U		a
MAIN		X	FB 0835	88-108-000-080	C-JUMPER,U		a
MAIN		X	FB 0836	88-108-000-080	C-JUMPER,U		a
MAIN		X	FB 0837	88-108-000-080	C-JUMPER,U		a
MAIN		S	IC 0002	87-A20-925-040	C-IC,BA05FP		a
MAIN		S	IC 0007	87-A22-156-040	C-IC,XC6366B103MR		a
MAIN		S	IC 0100	87-A22-143-030	C-IC,MT1366F		a
MAIN		S	IC 0101	87-A21-516-040	C-IC,BA5954FP		a
MAIN		S	IC 0200	87-A22-142-030	C-IC,MT1388E		a
MAIN		S	IC 0201	8C-AV6-630-030	C-IC,SST39SF010-90-4C-WH-VER01		a
MAIN		S	IC 0202	87-A21-515-030	C-IC,GLT44016-40TC		a
							XD-SDV1 YUSM
MAIN		S	IC 0552	87-A22-150-040	C-IC,HD74LV245AT		a
MAIN		S	IC 0553	87-A22-150-040	C-IC,HD74LV245AT		a
MAIN		S	IC 0554	87-A21-569-040	C-IC,HD74LV04AT		a
MAIN		S	IC 0601	87-A22-169-030	C-IC,STi5580		a
MAIN		S	IC 0602	87-A22-248-040	C-IC,HD74LVU04		a
MAIN		S	IC 0603	87-A22-285-030	C-IC,GLT5640L16-7TC		a
MAIN		S	IC 0750	8C-AVF-640-030	C-IC,M29W160DT90N1-AVF01		a
MAIN		S	IC 0751	87-A22-355-040	C-IC,M24C16-WMN6T		a
MAIN		S	IC 0800	87-A22-170-040	C-IC,PCM1602		a
MAIN		S	IC 0801	87-A21-993-040	C-IC,PCM1742 KE		a
MAIN		S	IC 0802	87-A21-362-040	C-IC,NJM2100M(TE2)		a
MAIN		S	IC 0830	87-A21-362-040	C-IC,NJM2100M(TE2)		a
MAIN		S	IC 0831	87-A21-362-040	C-IC,NJM2100M(TE2)		a
MAIN		S	IC 0832	87-A21-362-040	C-IC,NJM2100M(TE2)		a
MAIN		S	IC 0833	87-A21-362-040	C-IC,NJM2100M(TE2)		a
MAIN		S	IC 0900	87-A22-249-040	C-IC,MM1509XNRE		a
MAIN		S	IC 0901	87-A22-250-040	C-IC,MM1510XNRE		a
MAIN		S	IC 0902	87-A22-250-040	C-IC,MM1510XNRE		a
MAIN		O	J 0001	87-A61-340-010	JACK,DC		a
MAIN		O	J 0800	87-A61-735-010	JACK,PIN 2P JPJ9811-01		a
							XD-SDV1 YUSM
MAIN		O	J 0900	87-A60-127-010	JACK,Y/CYKF51-5503		a
MAIN		O	J 0901	87-A61-754-010	JACK,PIN 1P OC0806	X	a
MAIN		O	L 0002	84-HD1-620-080	C-COIL, 22UH M D75C		a
MAIN		O	L 0100	87-A50-117-080	C-COIL,10UHLQH3C		a
MAIN		O	L 0101	87-005-811-080	C-COIL, 10UH FLC32		a
MAIN		O	L 0102	87-005-811-080	C-COIL, 10UH FLC32		a
MAIN		O	L 0103	87-A50-391-080	C-COIL,47UHD73C-636CY		a
MAIN		O	L 0104	87-A50-010-080	C-COIL, 22UH LQH3C		a
MAIN		O	L 0200	87-A50-010-080	C-COIL, 22UH LQH3C		a
MAIN		O	L 0201	87-A50-010-080	C-COIL, 22UH LQH3C		a
MAIN		O	L 0202	87-A50-010-080	C-COIL, 22UH LQH3C		a
MAIN		O	L 0600	87-A50-391-080	C-COIL,47UHD73C-636CY		a
MAIN		O	L 0601	87-A50-010-080	C-COIL, 22UH LQH3C		a
MAIN		O	L 0603	87-A50-360-080	C-COIL, 47UH K NLFC252018		a
MAIN		O	L 0604	87-005-814-080	C-COIL, 18UH J FLC32		a
MAIN		O	L 0605	87-A50-360-080	C-COIL, 47UH K NLFC252018		a
MAIN		O	L 0606	87-005-815-080	C-COIL, 22UH J FLC32		a
MAIN		O	L 0607	87-A91-823-080	C-F-BEAD, FBMJ2125HS420-T		a
MAIN		O	L 0800	87-A50-360-080	C-COIL, 47UH K NLFC252018		a
MAIN		O	L 0801	87-A50-360-080	C-COIL, 47UH K NLFC252018		a
							XD-SDV1 YUSM
MAIN		O	L 0830	87-A50-360-080	C-COIL, 47UH K NLFC252018		a
MAIN		O	L 0831	87-A50-010-080	C-COIL, 22UH LQH3C		a
MAIN		O	L 0900	87-A50-360-080	C-COIL, 47UH K NLFC252018		a
MAIN		O	L 0904	87-005-814-080	C-COIL, 18UH J FLC32		a
MAIN		O	L 0905	87-005-814-080	C-COIL, 18UH J FLC32		a
MAIN		O	L 0906	87-005-814-080	C-COIL, 18UH J FLC32		a
MAIN		S	Q 0001	89-341-165-080	C-TR,2SC4116GR		a
MAIN		S	Q 0002	89-341-165-080	C-TR,2SC4116GR		a
MAIN		S	Q 0003	89-112-134-080	C-TR,2SA1213Y		a
MAIN		S	Q 0004	89-211-323-080	C-TR,2SB1132R		a
MAIN		S	Q 0005	87-A30-358-040	C-TR,DTA114EUA		a
MAIN		S	Q 0006	89-211-323-080	C-TR,2SB1132R		a
MAIN		S	Q 0008	87-A30-409-040	C-TR,DTC123YUA		a
MAIN		S	Q 0009	89-341-165-080	C-TR,2SC4116GR		a
MAIN		S	Q 0010	89-341-165-080	C-TR,2SC4116GR		a
MAIN		S	Q 0100	87-A30-289-040	C-TR,2SA1037AK(Q)		a
MAIN		S	Q 0101	87-A30-289-040	C-TR,2SA1037AK(Q)		a
MAIN		S	Q 0102	87-A30-289-040	C-TR,2SA1037AK(Q)		a
MAIN		S	Q 0600	89-324-121-040	C-TR,2SC2412KQ		a
MAIN		S	Q 0601	89-324-121-040	C-TR,2SC2412KQ		a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
MAIN		S	Q 0800	87-A30-435-040	C-TR,DTC144EKA	a
MAIN		S	Q 0801	87-A30-455-040	C-TR,DTA144EKA	a
MAIN		S	Q 0802	87-A30-435-040	C-TR,DTC144EKA	a
MAIN		S	Q 0803	87-A30-035-040	C-TR,DTC323TU	a
MAIN		S	Q 0830	89-341-165-080	C-TR,2SC4116GR	a
MAIN		S	Q 0831	89-341-165-080	C-TR,2SC4116GR	a
MAIN		S	Q 0832	89-341-165-080	C-TR,2SC4116GR	a
MAIN		S	Q 0833	89-341-165-080	C-TR,2SC4116GR	a
MAIN		S	Q 0834	89-341-165-080	C-TR,2SC4116GR	a
MAIN		S	Q 0835	89-341-165-080	C-TR,2SC4116GR	a
MAIN		S	Q 0836	89-341-165-080	C-TR,2SC4116GR	a
MAIN		S	Q 0837	89-341-165-080	C-TR,2SC4116GR	a
MAIN		S	Q 0910	87-A30-289-040	C-TR,2SA1037AK(Q)	a
MAIN		S	Q 0911	87-A30-435-040	C-TR,DTC144EKA	a
MAIN		X	R 0001	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0002	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0003	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0004	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0005	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0006	88-104-223-080	C-RES,V 22K-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0007	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0008	88-104-122-080	C-RES,V 1.2K-1/16W J	a
MAIN		X	R 0010	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0011	88-104-223-080	C-RES,V 22K-1/16W J	a
MAIN		X	R 0012	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0013	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X	R 0014	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0015	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0016	88-104-331-080	C-RES,V 330-1/16W J	a
MAIN		X	R 0017	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0018	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0021	88-104-272-080	C-RES,V 2.7K-1/16W J	a
MAIN		X	R 0023	88-104-331-080	C-RES,V 330-1/16W J	a
MAIN		X	R 0024	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0025	88-104-331-080	C-RES,V 330-1/16W J	a
MAIN		X	R 0026	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0027	88-104-331-080	C-RES,V 330-1/16W J	a
MAIN		X	R 0028	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0029	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0031	88-104-102-080	C-RES,V 1K-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0032	88-104-472-080	C-RES,V 4.7K-1/16W J	a
MAIN		X	R 0033	88-104-472-080	C-RES,V 4.7K-1/16W J	a
MAIN		X	R 0091	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0092	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0093	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0097	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0100	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0101	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0102	88-118-390-080	C-RES,S 39-1/10W J	a
MAIN		X	R 0103	88-118-560-080	C-RES,S 56-1/10W J	a
MAIN		X	R 0104	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0105	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0106	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0107	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0108	88-104-333-080	C-RES,V 33K-1/16W J	a
MAIN		X	R 0109	88-104-333-080	C-RES,V 33K-1/16W J	a
MAIN		X	R 0110	88-104-333-080	C-RES,V 33K-1/16W J	a
MAIN		X	R 0111	88-104-333-080	C-RES,V 33K-1/16W J	a
MAIN		X	R 0112	88-104-273-080	C-RES,V 27K-1/16W J	a
MAIN		X	R 0113	88-104-273-080	C-RES,V 27K-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0114	88-104-273-080	C-RES,V 27K-1/16W J	a
MAIN		X	R 0115	88-104-273-080	C-RES,V 27K-1/16W J	a
MAIN		X	R 0116	88-104-333-080	C-RES,V 33K-1/16W J	a
MAIN		X	R 0117	88-104-333-080	C-RES,V 33K-1/16W J	a
MAIN		X	R 0118	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0119	88-104-203-080	C-RES,V 20K-1/16W J	a
MAIN		X	R 0120	88-104-333-080	C-RES,V 33K-1/16W J	a
MAIN		X	R 0121	88-104-393-080	C-RES,V 39K-1/16W J	a
MAIN		X	R 0122	88-118-109-080	C-RES,S 1-1/10W J	a
MAIN		X	R 0123	88-118-109-080	C-RES,S 1-1/10W J	a
MAIN		X	R 0124	88-118-109-080	C-RES,S 1-1/10W J	a
MAIN		X	R 0125	88-118-109-080	C-RES,S 1-1/10W J	a
MAIN		X	R 0126	88-104-203-080	C-RES,V 20K-1/16W J	a
MAIN		X	R 0127	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0128	88-104-203-080	C-RES,V 20K-1/16W J	a
MAIN		X	R 0129	88-104-203-080	C-RES,V 20K-1/16W J	a
MAIN		X	R 0131	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0132	88-104-222-080	C-RES,V 2.2K-1/16W J	a
MAIN		X	R 0133	88-118-560-080	C-RES,S 56-1/10W J	a
MAIN		X	R 0134	88-118-390-080	C-RES,S 39-1/10W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
MAIN		X	R 0135	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0136	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0139	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0141	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0143	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0151	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0200	88-104-512-080	C-RES,V 5.1K-1/16W J	a
MAIN		X	R 0201	88-104-473-080	C-RES,V 47K-1/16W J	a
MAIN		X	R 0202	88-104-512-080	C-RES,V 5.1K-1/16W J	a
MAIN		X	R 0203	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0204	88-104-105-080	C-RES,V 1M-1/16W J	a
MAIN		X	R 0205	88-104-203-080	C-RES,V 20K-1/16W J	a
MAIN		X	R 0206	88-104-203-080	C-RES,V 20K-1/16W J	a
MAIN		X	R 0207	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0208	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0209	88-104-393-080	C-RES,V 39K-1/16W J	a
MAIN		X	R 0210	88-104-221-080	C-RES,V 220-1/16W J	a
MAIN		X	R 0211	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0212	88-104-105-080	C-RES,V 1M-1/16W J	a
MAIN		X	R 0213	88-104-330-080	C-RES,V 33-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0214	88-104-220-080	C-RES,V 22-1/16W J	a
MAIN		X	R 0215	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0216	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0217	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0218	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0219	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0220	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0221	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0222	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0223	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0224	88-104-820-080	C-RES,V 82-1/16W J	a
MAIN		X	R 0225	88-104-820-080	C-RES,V 82-1/16W J	a
MAIN		X	R 0226	88-104-820-080	C-RES,V 82-1/16W J	a
MAIN		X	R 0227	88-104-820-080	C-RES,V 82-1/16W J	a
MAIN		X	R 0228	88-104-820-080	C-RES,V 82-1/16W J	a
MAIN		X	R 0229	88-104-220-080	C-RES,V 22-1/16W J	a
MAIN		X	R 0230	88-104-820-080	C-RES,V 82-1/16W J	a
MAIN		X	R 0231	88-104-220-080	C-RES,V 22-1/16W J	a
MAIN		X	R 0232	88-104-820-080	C-RES,V 82-1/16W J	a
MAIN		X	R 0233	88-104-820-080	C-RES,V 82-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0234	88-104-220-080	C-RES,V 22-1/16W J	a
MAIN		X	R 0235	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0236	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0237	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0238	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0239	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0240	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0241	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0242	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0243	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0244	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0245	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0246	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0247	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0248	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0249	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0250	88-104-393-080	C-RES,V 39K-1/16W J	a
MAIN		X	R 0251	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0252	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0258	88-104-183-080	C-RES,V 18K-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0259	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0260	88-104-123-080	C-RES,V 12K-1/16W J	a
MAIN		X	R 0261	88-104-123-080	C-RES,V 12K-1/16W J	a
MAIN		X	R 0262	88-104-333-080	C-RES,V 33K-1/16W J	a
MAIN		X	R 0263	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0265	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0266	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0267	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0268	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0269	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0270	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0271	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0272	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0273	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0274	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0275	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0276	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0277	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X	R 0278	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X	R 0279	88-104-151-080	C-RES,V 150-1/16W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
MAIN		X	R 0283	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X	R 0284	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0285	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0286	88-104-472-080	C-RES,V 4.7K-1/16W J	a
MAIN		X	R 0287	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0530	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0531	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0532	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0533	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0534	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0535	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0536	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0537	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0538	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0539	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0540	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0541	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0542	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0543	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0544	88-104-330-080	C-RES,V 33-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0545	88-104-330-080	C-RES,V 33-1/16W J	a
MAIN		X	R 0553	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0554	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0555	88-104-473-080	C-RES,V 47K-1/16W J	a
MAIN		X	R 0600	88-104-683-080	C-RES,V 68K-1/16W J	a
MAIN		X	R 0601	88-104-272-080	C-RES,V 2.7K-1/16W J	a
MAIN		X	R 0602	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X	R 0603	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0604	88-104-272-080	C-RES,V 2.7K-1/16W J	a
MAIN		X	R 0605	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X	R 0606	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X	R 0607	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0608	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0609	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0610	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0611	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0612	88-104-472-080	C-RES,V 4.7K-1/16W J	a
MAIN		X	R 0613	88-104-473-080	C-RES,V 47K-1/16W J	a
MAIN		X	R 0614	88-104-563-080	C-RES,V 56K-1/16W J	a
MAIN		X	R 0615	88-104-470-080	C-RES,V 47-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0616	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0617	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0618	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0619	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0620	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0621	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0622	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0623	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0624	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0625	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0626	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0627	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0628	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0629	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0630	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0631	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0632	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0633	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0634	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0635	88-104-470-080	C-RES,V 47-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0636	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0637	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0638	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0639	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0640	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0641	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0642	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0643	88-108-151-080	C-RES,U 150-1/16W J	a
MAIN		X	R 0644	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0645	88-108-151-080	C-RES,U 150-1/16W J	a
MAIN		X	R 0646	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0647	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0648	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0649	88-104-271-080	C-RES,V 270-1/16W J	a
MAIN		X	R 0650	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0651	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0652	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0653	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0654	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0655	88-104-470-080	C-RES,V 47-1/16W J	a

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						XD-SDV1 YUSM
MAIN		X R	0656	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0657	88-108-000-080	C-JUMPER,U	a
MAIN		X R	0658	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		O R	0659	87-A92-436-080	C-F-BEAD, BLM18AG221SN1	a
MAIN		X R	0660	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0661	88-104-000-080	C-JUMPER,V	a
MAIN		X R	0662	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		O R	0663	87-A92-436-080	C-F-BEAD, BLM18AG221SN1	a
MAIN		X R	0664	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		O R	0665	87-A92-436-080	C-F-BEAD, BLM18AG221SN1	a
MAIN		X R	0666	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0668	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0669	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0670	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0671	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0672	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0675	88-104-000-080	C-JUMPER,V	a
MAIN		X R	0677	88-104-000-080	C-JUMPER,V	a
MAIN		X R	0678	88-104-000-080	C-JUMPER,V	a
MAIN		X R	0679	88-104-000-080	C-JUMPER,V	a
						XD-SDV1 YUSM
MAIN		X R	0682	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0683	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0684	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0685	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X R	0686	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X R	0688	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0690	88-104-473-080	C-RES,V 47K-1/16W J	a
MAIN		X R	0691	88-104-000-080	C-JUMPER,V	a
MAIN		X R	0692	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X R	0693	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X R	0694	88-104-000-080	C-JUMPER,V	a
MAIN		X R	0696	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0697	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0698	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0700	88-104-000-080	C-JUMPER,V	a
MAIN		X R	0701	88-104-000-080	C-JUMPER,V	a
MAIN		X R	0702	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0703	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0705	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0706	88-104-103-080	C-RES,V 10K-1/16W J	a
						XD-SDV1 YUSM
MAIN		X R	0707	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X R	0708	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X R	0709	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X R	0710	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X R	0711	88-104-271-080	C-RES,V 270-1/16W J	a
MAIN		X R	0712	88-104-271-080	C-RES,V 270-1/16W J	a
MAIN		X R	0713	88-104-271-080	C-RES,V 270-1/16W J	a
MAIN		X R	0714	88-104-271-080	C-RES,V 270-1/16W J	a
MAIN		X R	0715	88-104-271-080	C-RES,V 270-1/16W J	a
MAIN		X R	0716	88-104-271-080	C-RES,V 270-1/16W J	a
MAIN		X R	0717	88-104-271-080	C-RES,V 270-1/16W J	a
MAIN		X R	0718	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0719	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0720	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0721	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0722	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0723	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0724	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0725	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0726	88-104-101-080	C-RES,V 100-1/16W J	a
						XD-SDV1 YUSM
MAIN		X R	0727	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0728	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0729	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0730	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0731	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0732	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0733	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0734	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X R	0735	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0736	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		X R	0737	88-104-151-080	C-RES,V 150-1/16W J	a
MAIN		O R	0738	87-A91-642-080	C-F-BEAD, BK1005HS601	a
MAIN		O R	0739	87-A91-642-080	C-F-BEAD, BK1005HS601	a
MAIN		X R	0740	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0741	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0742	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0743	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0744	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0745	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X R	0746	88-104-101-080	C-RES,V 100-1/16W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
MAIN		X	R 0747	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0748	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0749	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0750	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0751	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0752	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0753	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0754	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0755	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		O	R 0756	87-A92-390-080	C-F-BEAD, BLM15BB221PN1	a
MAIN		X	R 0757	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0758	88-104-105-080	C-RES,V 1M-1/16W J	a
MAIN		X	R 0759	88-104-681-080	C-RES,V 680-1/16W J	a
MAIN		X	R 0760	88-104-474-080	C-RES,V 470K-1/16W J	a
MAIN		X	R 0761	88-104-474-080	C-RES,V 470K-1/16W J	a
MAIN		X	R 0762	88-104-474-080	C-RES,V 470K-1/16W J	a
MAIN		X	R 0763	88-104-474-080	C-RES,V 470K-1/16W J	a
MAIN		X	R 0764	88-104-474-080	C-RES,V 470K-1/16W J	a
MAIN		X	R 0765	88-104-560-080	C-RES,V 56-1/16W J	a
MAIN		X	R 0766	88-104-474-080	C-RES,V 470K-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0767	88-104-472-080	C-RES,V 4.7K-1/16W J	a
MAIN		X	R 0768	88-104-474-080	C-RES,V 470K-1/16W J	a
MAIN		X	R 0769	88-104-473-080	C-RES,V 47K-1/16W J	a
MAIN		X	R 0770	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0771	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0772	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0773	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0774	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0775	88-104-472-080	C-RES,V 4.7K-1/16W J	a
MAIN		X	R 0777	88-104-473-080	C-RES,V 47K-1/16W J	a
MAIN		X	R 0780	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0781	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0782	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0783	88-104-470-080	C-RES,V 47-1/16W J	a
MAIN		X	R 0800	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0801	88-104-473-080	C-RES,V 47K-1/16W J	a
MAIN		X	R 0802	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0803	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0807	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0809	88-104-472-080	C-RES,V 4.7K-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0812	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0826	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0827	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0838	88-104-123-080	C-RES,V 12K-1/16W J	a
MAIN		X	R 0839	88-104-123-080	C-RES,V 12K-1/16W J	a
MAIN		X	R 0840	88-104-123-080	C-RES,V 12K-1/16W J	a
MAIN		X	R 0841	88-104-123-080	C-RES,V 12K-1/16W J	a
MAIN		X	R 0842	88-104-123-080	C-RES,V 12K-1/16W J	a
MAIN		X	R 0843	88-104-123-080	C-RES,V 12K-1/16W J	a
MAIN		X	R 0844	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0845	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0846	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0847	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0848	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0849	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0850	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0851	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0852	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0853	88-104-153-080	C-RES,V 15K-1/16W J	a
MAIN		X	R 0854	88-104-102-080	C-RES,V 1K-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0855	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0856	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0857	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0858	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0859	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0860	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0861	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0862	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		O	R 0863	87-A10-554-080	C-CAP,V 1000P-50 K B	a
MAIN		X	R 0864	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0870	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0871	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0872	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0873	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0874	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0875	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0876	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0877	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0878	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0879	88-104-101-080	C-RES,V 100-1/16W J	a

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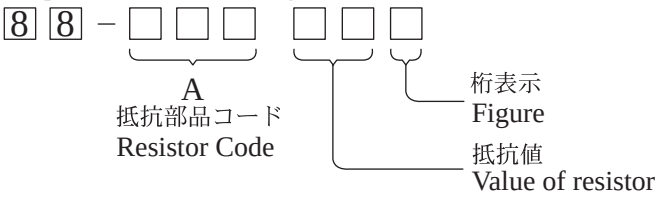
UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
MAIN		X	R 0880	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0881	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0882	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0883	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0884	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0885	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0886	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0887	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0888	88-104-101-080	C-RES,V 100-1/16W J	a
MAIN		X	R 0889	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0890	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0891	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0892	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0893	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0894	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0897	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0898	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0899	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0903	88-104-681-080	C-RES,V 680-1/16W J	a
MAIN		X	R 0904	88-104-681-080	C-RES,V 680-1/16W J	a
						XD-SDV1 YUSM
MAIN		X	R 0905	88-104-681-080	C-RES,V 680-1/16W J	a
MAIN		X	R 0909	88-104-681-080	C-RES,V 680-1/16W J	a
MAIN		X	R 0910	88-104-681-080	C-RES,V 680-1/16W J	a
MAIN		X	R 0911	88-104-681-080	C-RES,V 680-1/16W J	a
MAIN		X	R 0936	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0937	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0938	88-104-104-080	C-RES,V 100K-1/16W J	a
MAIN		X	R 0939	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0940	88-104-000-080	C-JUMPER,V	a
MAIN		X	R 0945	88-104-103-080	C-RES,V 10K-1/16W J	a
MAIN		X	R 0946	88-104-102-080	C-RES,V 1K-1/16W J	a
MAIN		X	R 0948	88-118-750-080	C-RES,S 75-1/10W J	a
MAIN		X	R 0949	88-104-223-080	C-RES,V 22K-1/16W J	a
MAIN		X	R 0950	88-118-750-080	C-RES,S 75-1/10W J	a
MAIN		X	R 0952	88-118-750-080	C-RES,S 75-1/10W J	a
MAIN		O	T 0800	87-A92-337-080	C-BALUN,5BLS-2LINE	a
MAIN		O	T 0801	87-A92-338-080	C-BALUN,5BLS-3LINE	a
MAIN		O	T 0802	87-A92-338-080	C-BALUN,5BLS-3LINE	a
MAIN		O	T 0803	87-A92-338-080	C-BALUN,5BLS-3LINE	a
MAIN		O	T 0804	87-A92-338-080	C-BALUN,5BLS-3LINE	a
						XD-SDV1 YUSM
MAIN		O	T 0901	87-A92-338-080	C-BALUN,5BLS-3LINE	a
MAIN		O	X 0200	87-A70-356-080	C-VIB,CER 33.8MHZ	a
MAIN		O	X 0600	87-A70-195-080	C-VIB,XTAL 27MHZ HC-49/U03C	a

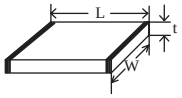
- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

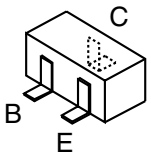
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



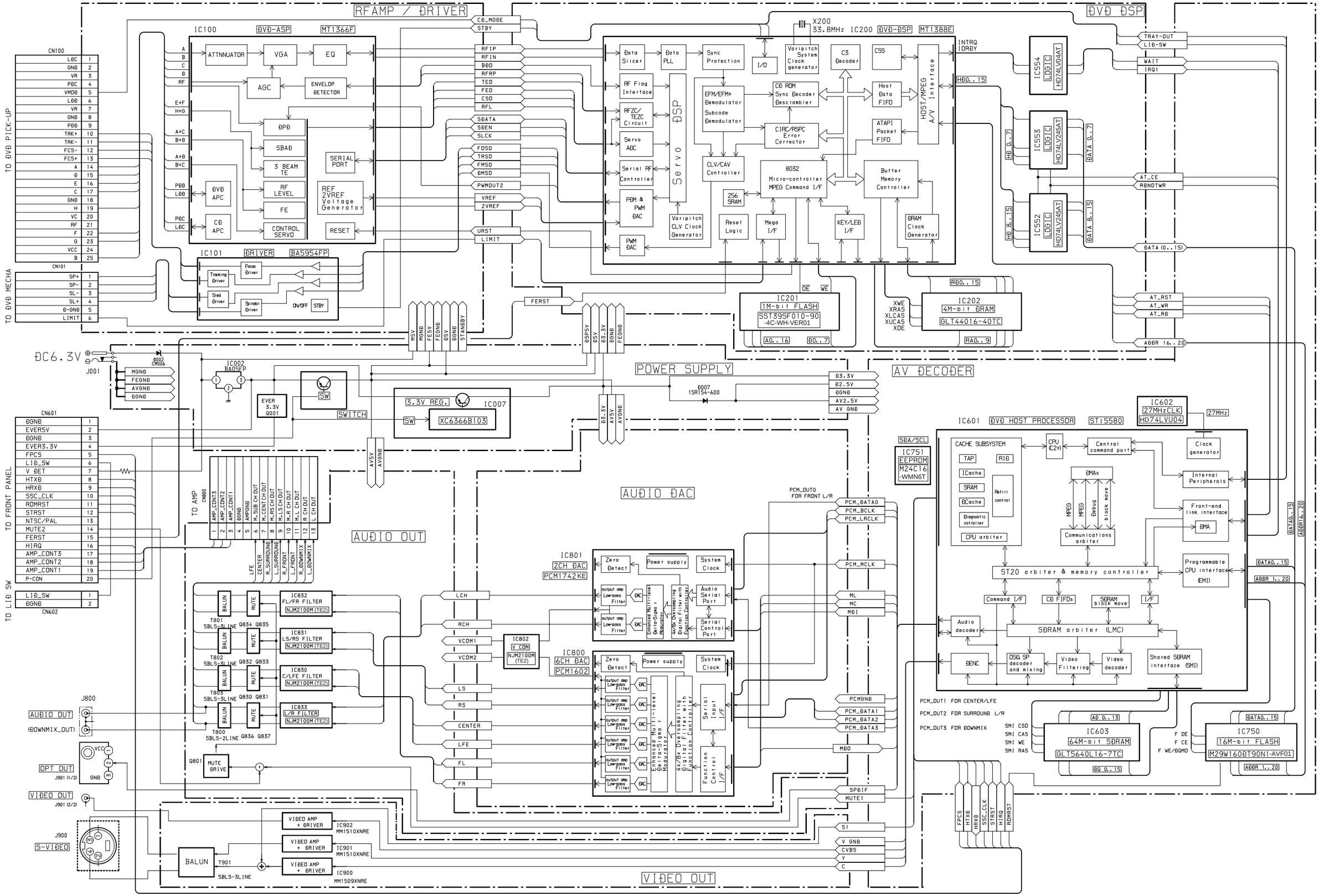
チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード ：A Resistor Code：A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION -1/1



2SA1037
2SA1213
2SB1132
2SC2412
2SC4116
DTA114EUA
DTA144EKA
DTC123YUA
DTC144EKA
DTC323TU


RFAMP / DRIVER
IC100 DVD-ASP MT1366F
ATTNUATOR
VGA
EQ
AGC
ENVELOP DETECTOR
DPD
SBAD
3 BEAM TE
RF LEVEL
FE
CONTROL SERVO
SERIAL PORT
REF 2VREF Voltage Generator
RESET
DVD APC
CD APC
IC101 DRIVER BA5954FP
Tracking Driver
Focus Driver
Sled Driver
Spindel Driver
ON/OFF
STBY
CD_MODE
STBY
RFIP
RFIN
BDO
RFRP
TEO
FEO
CSO
RFL
SDATA
SDEN
SCLK
FOSO
TRSO
FMSO
DMSO
PWMOUT2
VREF
2VREF
XRST
LIMIT
DVD DSP
X200 33.8MHz IC200 DVD-DSP MT1388E
Data Slicer
Data PLL
Sync Protection
I/O
Varipitch System Clock generator
C3 Decoder
CSS
RF Flag Interface
RFZC/TEZC Circuit
Servo ADC
Serial RF Controller
PDM & PWM DAC
Varipitch CLV Clock Generator
Servo DSP
EFM/EFM+ Demodulator Subcode Demodulator
CD ROM Sync Decoder Descrambler
CIRC/RSPC Error Corrector
CLV/CAV Controller
256 SRAM
8032 Micro-controller MPEG Command I/F
Reset Logic
Mega I/F
KEY/LED I/F
Host Data FIFO
ATAPI Packet FIFO
HOST/MPEG A/V Interface
Buffer Memory Controller
DRAM Clock Generator
INTRQ
IORDY
HD0..15
IC554 LOGIC HD74LV04AT
IC553 LOGIC HD74LV245AT
IC552 LOGIC HD74LV245AT
HD 0..7
HD 8..15
DATA 0..7
DATA 8..15
TRAY-OUT
LID-SW
WAIT
IRQ1
AT_CE
RDNOTWR
DATA (0..15)
AT_RST
AT_WR
AT_RD
ADDR 16..20
IC201 1M-bit FLASH SST39SF010-90 -4C-WH-VER01
OE
WE
A0..16
D0..7
IC202 4M-bit DRAM GLT44016-40TC
RD0..15
RA0..9
XWE
XRAS
XLCAS
XUCAS
XDE
CN100
LOC 1
GND 2
VR 3
PDC 4
VMOD 5
LDD 6
VR 7
GND 8
PDD 9
TRK+ 10
TRK- 11
FCS- 12
FCS+ 13
A 14
B 15
E 16
C 17
GND 18
H 19
VC 20
RF 21
F 22
G 23
VCC 24
B 25
TO DVD PICK-UP
CN101
SP+ 1
SP- 2
SL- 3
SL+ 4
D-GND 5
LIMIT 6
TO DVD MECHA
MSV
MGND
FESV
FEGND
DSV
DGND
STANDBY
FERST
DSP5V
DSV
D3.3V
DGND
FEGND
DC6.3V
J001
D002 CMS06
MGND
FEGND
AVGND
DGND
IC002 RA05FP
EVER 3.3V Q001
SW
SWITCH
3.3V REG.
IC007
XC6366B103
POWER SUPPLY
D007 1SR154-600
D3.3V
D2.5V
DGND
AV2.5V
AV GND
AV DECODER
IC601 DVD HOST PROCESSOR ST15580
IC602 27MHzCLK HD74LVU04
27MHz
SDA/SCL
IC751 EEPROM M24C16 -WMN6T
CACHE SUBSYSTEM
TAP
RID
ICache
SRAM
DCache
Diagnostic controller
Retirl control
CPU (C2+)
CPU arbiter
Central command port
Clock generator
DMAs
MPEG
MPEG
Debug
block move
Communications arbiter
Internal Peripherals
Front-end link interface
DMA
Programmable CPU interface (EMI)
ST20 arbiter & memory controller
Command I/F
CD FIFOs
SDRAM block move
I/F
Audio decoder
SDRAM arbiter (LMC)
DENC
OSD SP decoder and mixing
Video Filtering
Video decoder
Shared SDRAM interface (SMI)
PCM_OUT1 FOR CENTER/LFE
PCM_OUT2 FOR SURROUND L/R
PCM_OUT3 FOR DOWNMIX
SMI CSO
SMI CAS
SMI WE
SMI RAS
AD 0..13
IC603 64M-bit SDRAM GLT5640L16-7TC
DQ 0..15
F OE
F CE
F WE/DQM0
IC750 16M-bit FLASH M29W160DT90N1-AVF01
ADDR 1..20
DATA0..15
FPCS
HTXD
HRXD
SSC_CLK
STRST
HIRQ
ROMRST
CN601
DGND 1
EVER5V 2
DGND 3
EVER3.3V 4
FPCS 5
LID_SW 6
V DET 7
HTXD 8
HRXD 9
SSC_CLK 10
ROMRST 11
STRST 12
NTSC/PAL 13
MUTE2 14
FERST 15
HIRQ 16
AMP_CONT3 17
AMP_CONT2 18
AMP_CONT1 19
P-CON 20
TO FRONT PANEL
CN602
LID_SW 1
DGND 2
TO LID SW
TO AMP CN800
AMP_CONT3
AMP_CONT2
AMP_CONT1
DGND
AMPGND
M.SUB CH OUT
M.CENTCH OUT
M.RS CH OUT
M.LS CH OUT
M.R CH OUT
M.L CH OUT
R CH OUT
L CH OUT
LFE
CENTER
R_SURROUND
L_SURROUND
R_FRONT
L_FRONT
R_DOWNMIX
L_DOWNMIX
AUDIO OUT
AUDIO DAC
PCM_OUT0 FOR FRONT L/R
PCM_DATA0
PCM_BCLK
PCM_LRCLK
PCM_MCLK
ML
MC
MDI
PCMGND
PCM_DATA1
PCM_DATA2
PCM_DATA3
MDO
SPDIF
MUTE1
SI
V GND
CVBS
Y
C
IC801 2CH DAC PCM1742KE
IC800 6CH DAC PCM1602
IC802 V COM NJM2100M (TE2)
Zero Detect
Power supply
System Clock
output amp Low-pass Filter
DAC
Enhanced Multi-level Delta-Sigma Modulator
4x/8x Oversampling Digital Filter with Function Controller
Audio Serial Port
Serial Control Port
Serial Input I/F
Function Control I/F
LCH
RCH
VCOM1
VCOM2
LS
RS
CENTER
LFE
FL
FR
BALUN
MUTE
T801 5BLS-3LINE Q834 Q835
T802 5BLS-3LINE Q832 Q833
T803 5BLS-3LINE Q830 Q831
T800 5BLS-2LINE Q836 Q837
IC832 FL/FR FILTER NJM2100M (TE2)
IC831 LS/RS FILTER NJM2100M (TE2)
IC830 C/LFE FILTER NJM2100M (TE2)
IC833 L/R FILTER NJM2100M (TE2)
Q801 MUTE DRIVE
J800
AUDIO OUT
(DOWNMIX_OUT)
OPT OUT
J901 (1/2)
VIDEO OUT
J901 (2/2)
J900
S-VIDEO
VCC
GND
VIDEO DAC
VIDEO OUT
VIDEO AMP + DRIVER
IC902 MM1510XNRE
IC901 MM1510XNRE
IC900 MM1509XNRE
T901 5BLS-3LINE

MAIN C.B -1/7

R018 0 2125
R010 0 2125
C015 470/16
Q001 2SC4116GR CONTROL
C010 100/6.3
R008 1.2k
Q002 2SC4116GR AMP
IC002 BA05FP 5V REGULATOR
C004 1μ 2125
C006 220/6.3
C007 0.1
R021 2.7k
C009 0.01
Q004 2SB1132R SW
R017 1k
C008 220/6.3
R024 1k
Q006 2SB1132R SW
Q003 2SA1213Y SW
L002 22μH D75C
D004 SBE001
C019 0.01
R013 150
R033 4.7k
Q009 2SC4116GR CONTROL
Q010 2SC4116GR PROTECTOR
R031 1k
R032 4.7k
C022 1μ 2125
IC007 XC6366B103MR SW CONTROL
PB:1.9 P-OFF:5.6
PB:5.0 P-OFF:5.7
PB:1.0 P-OFF:0.3
PB:5.0 P-OFF:0
EXT
VDD
GND
FB
CE
C014 0.1
R014 100
R011 22k
C013 0.01
C011 0.1
C012 470/16
R025 330
R027 330
R016 330
R023 330
Q005 DTA114EUA CONTROL
PB:0.1 P-OFF:5.0
PB:2.8 P-OFF:0
Q008 DTC123YUA CONTROL
R012 10k
R026 100k
R015 10k
C020 0.01
C021 0.01
D007 1SR154-400
C016 1μ 2125
C017 1μ 2125
C018 220/6.3
R028 0 2125
R001 0 2125
R029 0 2125
R002 0 2125
D002 CMS06
TP004
TP006
R006 22k
R007 0
R003 0 2125
R004 0 2125
C002 0.1 25V 2125
C005 470/16V
R005 10k
C003 0.1
TP001
TP002
TP003
TP005
J001 HEC3600-010110 DC IN 6.3V

5.7	M5V	1B	To RF AMP SECTION 1B-6B
	MGND	2B	
4.9	FE5V	3B	
	FEGND	4B	
4.9	D5V	5B	
	DGND	6B	
3.2	EVER3.3V	1C	To AUDIO-DAC SECTION 1C-5C
5.0	EVER5V	2C	
3.4	D3.3V	3C	
4.9	AV5V	4C	
	AVGND	5C	
	DGND	5D	To DVD DSP SECTION 1D-5D
3.4	D3.3V	1D	
4.9	DSP5V	3D	
4.9	D5V	2D	
	FEGND	4D	
4.9	D5V	1G	To VIDEO OUTPUT SECTION 1G-3G
	DGND	2G	
4.9	AV5V	3G	
3.2	EVER3.3V	3E	To DECODER SECTION 1E-9E
5.0	EVER5V	4E	
3.4	D3.3V	5E	
2.5	AV2.5V	8E	
2.5	D2.5V	6E	
	AVGND	9E	
	DGND	7E	
	P-CON	1E	
	V_DET	2E	
	AV5V	1F	To AUDIO OUTPUT SECTION 1F,2F
	DGND	2F	

WAVEFORM NO.

NOTE : NON MARKED VOLTAGE PB MODE

(POWER SECTION)

MAIN-C.B -2/7

ÐVÐ PICK UP ASSY

(WOO1) CN100

1	LÐC	1	
2	GNÐ	2	
3	VR	3	
4	PÐC	4	
5	VMÐÐ	5	
6	(GNÐ) LÐÐ	6	
7	(LÐÐ) VR	7	
8	(VRÐ) GNÐ	8	
9	(GNÐ) PÐÐ	9	
10	TRK+	10	
11	TRK-	11	
12	FCS-	12	
13	FCS+	13	
14	A	14	
15	Ð	15	
16	E	16	
17	C	17	
18	GNÐ	18	
19	H	19	
20	VC	20	
21	RF	21	
22	F	22	
23	G	23	
24	VCC	24	
25	B	25	

VR 2.2K
C 1μ (F)
R 330 (LÐ SHORT LANÐ)
VR 4.7K
C 1μ (F)
PÐ VMÐÐ LÐ GNÐ LÐ MODULE CIRCUIT
MICRO 2AXIS

IC1 PÐIC
GND VCC
E F
A Ð
B C
G H
RF VC
C 0.1μ (B)
C 0.1μ (B)

L101 10μ
Q100 2SA1037AK CD LASER DRIVE
R134 39 2125
R102 39 2125
C103 100/6.3
MOD POWER SW
L102 10μ
Q102 2SA1037AK
CD:0 DVD:4.7
R135 0
FBT00 BLM11A601SPT
R136 0
R139 0
R100 100
R141 2.2k
Q101 2SA1037AK DVD LASER DRIVE
R133 56 2125
R103 56 2125
C104 100/6.3
R143 0
C101 0.1
C100 47/6.3
C102 0.1
R104 10k
R101 1k
R105 10k
C105 1
R106 10k
R107 10k

TP100 VCON
TP102 MOP
TP103 MON
TP104 HTRC
TP105 CSO
C114 4700p
R118 100k
C115 390p
C116 390p
C117 390p
4.9 VCC
TP106
L104 22μ LQH3C
C141 0.1
C140 10/16
CD:4.9 DVD:0.1
4.8 L100 10μ LQH3C

C111 0.1
C113 0.1
R116 33k
C118 0.1
R117 33k
C119 0.015
C143 0.1
C142 100/6.3

PWMOUT2 SÐATA SÐEN SLCK BÐO URST

30	AVÐÐ	31	VCON
29	NC	32	TM1
28	AGNÐ	33	TM2
27	MOP	34	AVÐÐ
26	MON	35	TM3
25	AVÐÐ	36	TM4
24	AVÐÐ	37	AGNÐ
23	IR	38	ÐVÐRFIN
22	AGNÐ	39	ÐVÐRFIP
21	AGNÐ	40	ÐVÐA
20	HTRCMPH	41	ÐVÐB
19	GNÐ	42	ÐVÐC
18	GNÐ	43	ÐVÐÐ
17	ÐPBMUTE	44	ÐVÐFNI
16	SÐATA	45	ÐVÐFPI
15	SÐEN	46	ÐVÐCSNI
14	SLCK	47	ÐVÐCSPI
13	ÐEFECT	48	NC
12	XCK16M	49	NC
11	RST	50	NC
10	HTRC	51	MÐI2
9	CRTPLP	52	LÐO2
8	CRTP	53	CÐA
7	HRFRP	54	CÐB
6	LRFRP	55	CÐC
5	VÐÐ	56	CÐÐ
4	VÐÐ	57	AGNÐ
3	CSONI	58	AGNÐ
2	CSO	59	RFGC
1	TRLP	60	DSN
100	TRLPA	61	DSP
99	SGNÐ	62	AVÐÐ
98	SGNÐ	63	AVÐÐ
97	TEO	64	CÐFNI
96	FEONI	65	CÐFPI
95	FEO	66	NC
94	FLVLNI	67	NC
93	FLVL	68	NC
92	VREFO	69	CÐCSNI
91	V2REFO	70	CÐCSPI
90	SVÐO	71	NC
89	SVÐO	72	NC
88	ÐPFN	73	NC
87	ÐPFO	74	COSPHI
86	RFOP	75	REFCOS
85	RFON	76	HALLCOS
84	HTE	77	SINPHI
83	TNI	78	REFSIN
82	TPI	79	HALLSIN
81	LÐO1	80	MÐI1

IC100 MT1366F RF AMP

C120 10p
C121 1000p
R119 20k
C124 4.7 (2125)
C125 100/4
R120 33k
C126 10p
C122 0.1
R121 39k

TP107 FEO
TP108 TEO
TP109 RFL
TP110 VREF
TP111 HTE

C106 1
C107 1
C108 1
C109 1
R108 33k
R109 33k
R110 33k
R111 33k
R112 27k
R113 27k
R114 27k
R115 27k

C110 0.1
C127 0.1
C128 0.1
C129 0.1

R122 J (2125)
R123 (2125)
R124 J (2125)
R125 (2125)

5.7 TP112 VCC

IC101 BA5954FP MOTOR DRIVE

15	VOTK+	VOFC+	14
16	VOTK-	VOFC-	13
17	VOLÐ+	VOSL+	12
18	VOLÐ-	VOSL-	11
19	PGNÐ	PGNÐ	10
20	VNFTK	PVCC1	9
21	PVCC2	VCC	8
22	PREGNÐ	VNFFC	7
23	VINLÐ	VOSL	6
24	CTK2	VINSL-	5
25	CTK1	VINSL+	4
26	VINTK	CF2	3
27	BIAS	CF1	2
28	STBY	VINFC	1

R126 20k
C134 150p
C133 0.1
C131 0.1
R127 10k
R128 20k
R129 20k
C135 150p
C137 0.1
L103 47μ B73C-636CY
C136 4700/10
C139 0.1

R151 0 2125

CN101

1	SP+	1	M1 (SPINÐLE MOTOR)
2	SP-	2	
3	SL-	3	M2 (SLEÐ MOTOR)
4	SL+	4	
5	Ð-GNÐ	5	SW1 (LIMIT SW)
6	LIMIT	6	

(CNA101) ÐVÐ MECHANISM (KHM-230)

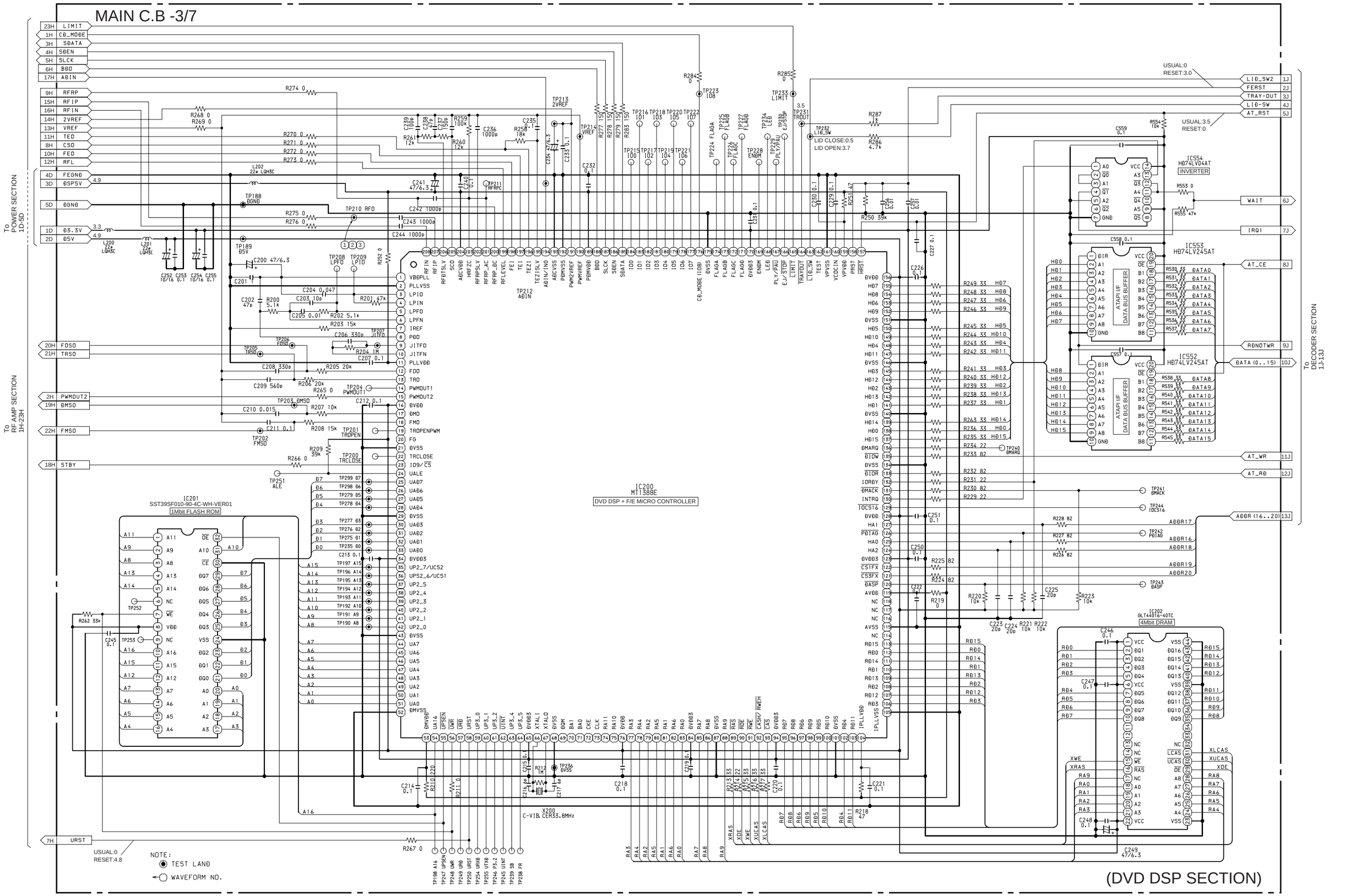
SIGNAL: ◀ PB (ANALOG)

NOTE: ⊙ TEST LANÐ

FEGNÐ	3B	To POWER SECTION 3B-6B
FE5V	4B	
Ð5V	5B	
ÐGNÐ	6B	
CÐ_MÐÐE	1H	To DVD DSP SECTION 1H-20H
PWMOUT2	2H	
SÐATA	3H	
SÐEN	4H	
SLCK	5H	
BÐO	6H	
URST	7H	
CSO	8H	
RFRP	9H	
FEO	10H	
TEO	11H	
RFL	12H	
VREF	13H	
2VREF	14H	
RFIP	15H	
RFIN	16H	
AÐIN	17H	
STBY	18H	
ÐMSO	19H	
FOSO	20H	
MGNÐ	2B	To POWER SECTION 1B,2B
M5V	1B	
TRSO	21H	To DVD DSP SECTION 21H-23H
FMSO	22H	
LIMIT	23H	

(RF AMP SECTION)

MAIN C.B -3/7


IC200
MT1388E
DVD DSP + F/E MICRO CONTROLLER
IC201
SST39SF010-90-4C-WH-VER01
1Mbit FLASH ROM
IC202
GLT44016-40TC
4Mbit DRAM
IC552
HD74LV245AT
ATAPI I/F DATA BUS BUFFER
IC553
HD74LV245AT
ATAPI I/F DATA BUS BUFFER
IC554
HD74LV04AT
INVERTER
X200
C-VIB, CER33.8MHz
To POWER SECTION 1D-5D
To RF AMP SECTION 1H-23H
To DECODER SECTION 1J-13J
USUAL:0
RESET:3.0
USUAL:3.5
RESET:0
LID CLOSE:0.5
LID OPEN:3.7
USUAL:0
RESET:4.8
NOTE:
TEST LAND
WAVEFORM NO.
(DVD DSP SECTION)

MAIN C.B-4/7

IC601
STi5580
DVD HOST PROCESSOR

IC602
H874LV004
OSC

IC603
GLT56401L6-7TC
64Mbit SDRAM

IC750
M29W160T90N1-AVF01
16Mbit FLASH ROM

IC751
M24C16-WMN6T
16kbit EEPROM

CN600
TESTPOINT CONNECTOR

CN601

CN602

Q601 2SC2412KQ INV

Q600 2SC2412KQ INV

L601 22μ LQH3C

L600 47μ CDRH6D38-470Y

L603 47μ NLFC252018

L604 18μ FLC32

L605 47μ NLFC252018

L606 22μ FLC32

L607 FBMJ2125HS420-T

FB600 BK1608LM252

S601 OPEN

DATA STREAM
For DVD/CD Decoding

To DVD DSP SECTION 1J,2J,5J-13J

To FRONT C.B CN300

To AUDIO-OUT SECTION 1M-3M

To AUDIO-DAC SECTION 1K

To POWER SECTION 1-9EE

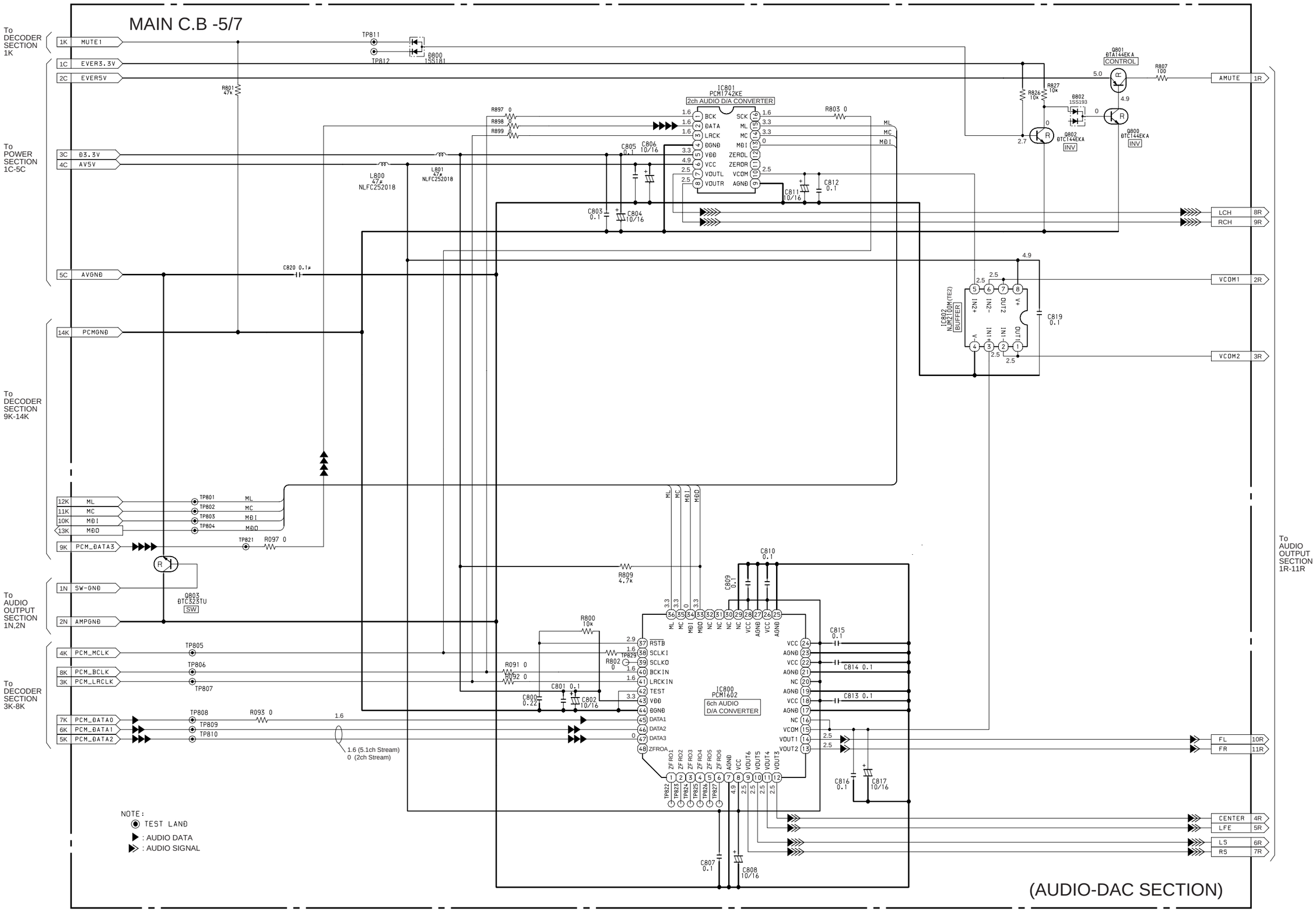
To DVD DSP SECTION 3J,4J

To AUDIO-DAC SECTION 3K-14K

To VIDEO OUTPUT SECTION 1L-6L

NOTE:
- TEST LAND
- > :VIDEO SIGNAL
- ▶ :AUDIO DATA

(DECODER SECTION)


MAIN C.B -5/7
To DECODER SECTION 1K
To POWER SECTION 1C-5C
To DECODER SECTION 9K-14K
To AUDIO OUTPUT SECTION 1N,2N
To DECODER SECTION 3K-8K
To AUDIO OUTPUT SECTION 1R-11R
1K MUTE1
1C EVER3.3V
2C EVER5V
3C Đ3.3V
4C AV5V
5C AVGNĐ
14K PCMGNĐ
12K ML
11K MC
10K MĐI
13K MĐO
9K PCM_DATA3
1N SW-GNĐ
2N AMPGNĐ
4K PCM_MCLK
8K PCM_BCLK
3K PCM_LRCLK
7K PCM_DATA0
6K PCM_DATA1
5K PCM_DATA2
TP811
TP812
ĐĐ00 1SS181
R801 47k
R897 0
R898 0
R899 0
IC801 PCM1742KE
2ch AUDIO D/A CONVERTER
BCK
ĐATA
LRCK
ĐGNĐ
VĐĐ
VCC
VOUTL
VOUTR
SCK
ML
MC
MĐI
ZEROL
ZEROR
VCOM
AGNĐ
R803 0
C805 0.1
C806 10/16
C803 0.1
C804 10/16
C811 10/16
C812 0.1
L800 47μ NLFC252018
L801 47μ NLFC252018
C820 0.1μ
Q801 ĐTA144EKA CONTROL
R826 10k
R827 10k
ĐĐ02 1SS193
Q802 ĐTC144EKA INV
Q800 ĐTC144EKA INV
R807 100
AMUTE 1R
LCH 8R
RCH 9R
IC802 NJM2100M(TE2) BUFFER
C819 0.1
VCOM1 2R
VCOM2 3R
TP801 ML
TP802 MC
TP803 MĐI
TP804 MĐO
TP821 R097 0
Q803 ĐTC323TU SW
R809 4.7k
C809 0.1
C810 0.1
R800 10k
TP805
TP806
TP807
TP808
TP809
TP810
R093 0
R091 0
R092 0
C801 0.1
C800 0.22
C802 10/16
IC800 PCM1602
6ch AUDIO D/A CONVERTER
RSTB
SCLKI
SCLKO
BCKIN
LRCKIN
TEST
VĐĐ
ĐGNĐ
DATA1
DATA2
DATA3
ZFROA
C815 0.1
C814 0.1
C813 0.1
C816 0.1
C817 10/16
C807 0.1
C808 10/16
FL 10R
FR 11R
CENTER 4R
LFE 5R
LS 6R
RS 7R
1.6 (5.1ch Stream)
0 (2ch Stream)
NOTE:
TEST LANĐ
: AUDIO DATA
: AUDIO SIGNAL
(AUDIO-DAC SECTION)

MAIN C.B -6/7

To POWER SECTION 1G-3G

To DECODER SECTION 1L-6L

1G Đ5V

2G ĐGNĐ

3G AV5V

1L SPĐIF

2L CVBS

3L VGNĐ

4L Y

5L C

6L S1

L900 47µ NLFC252018

C884 0.01

L831 22µ LQH3C (87-A50-010-08)

C885 10/16

C886 0.01

C900 100/6.3

C901 0.1

Đ901 ĐA204U

Đ900 ĐA204U

Đ902 ĐA204U

TP907

TP906

TP905

TP904

TP913

TP912

TP911

C913 8p

L906 18µ FLC32

R905 680

C907 22p

C919 22p

R911 680

C912 8p

L905 18µ FLC32

R904 680

C906 22p

C918 22p

R910 680

C911 8p

L904 18µ FLC32

R903 680

C905 22p

C917 22p

R909 680

C925 1µ

C927 1µ

C929 0.01

IC902 MM1510XNRE

IC901 MM1510XNRE

IC900 MM1509XNRE

6dB AMP +75Ω DRIVER

IN GNĐ PS VCC OUT SAG

4.9

C921 100/4

C924 10/16

C920 100/4

C923 10/16

C922 0.01

C926 0.1

C928 0.1

C930 0.1

R894 0

1.7 TP839

R948 75 (2125)

R939 0

TP922

R940 0

R938 100k

R949 22k

R950 75 (2125)

R937 100k

R952 75 (2125)

R936 10k

R945 10k

4.4(4:3) 0(16:9)

Q910 2SA1037AK CONTROL

Q911 ĐTC144EKA CONTROL

0(4:3) 3.3(16:9)

0(4:3) 4.8(16:9)

R946 1k

DIGITAL OUT (OPTICAL)

1 2 VCC 3 GNĐ

4.9

J901 (1/2) JACK, PIN 1P 0C0806

VIĐEO OUT

4

J901 (2/2) JACK, PIN 1P 0C0806

5

PINJACK-GNĐ 1P

To AUDIO OUTPUT SECTION 1P

T901 C-BALUN, 5BLS-3LINE

TP921

TP920

J900 JACK, Y/CYKF51 -5503

S-VIDEO

NOTE:

TEST LANĐ

: CVBS SIGNAL

: C SIGNAL

: Y SIGNAL

WAVEFORM NO.

(VIDEO OUTPUT SECTION)

MAIN C.B -7/7

To POWER SECTION 1F

1F AV5V

L830 47µ NLFC252018

C830 10/16

2R VCOM1

8R LCH

9R RCH

10R FL

11R FR

5R LS

7R RS

4R CENTER

5R LFE

1R AMUTE

3R VCOM2

To AUDIO-DAC SECTION 1R-11R

D830 DA204U

D831 DA204U

TP830

TP831

TP834

TP833

TP832

TP837

TP838

TP836

TP835

C838 10/16

C837 10/16

C836 10/16

C835 10/16

C832 10/16

C834 10/16

C831 10/16

C833 10/16

R845 10k

R844 10k

R843 12k

R842 12k

R841 12k

R840 12k

R839 12k

R838 12k

R853 15k

R852 15k

R851 15k

R850 15k

R849 15k

R848 15k

R847 15k

R846 15k

R861 1k

R857 1k

R860 1k

R856 1k

R859 1k

R855 1k

R858 1k

R854 1k

C850 2700p

C852 2700p

C849 2700p

C853 2700p

C848 2700p

C851 2700p

C847 2700p

C846 2700p

C845 2700p

C844 2700p

C843 2700p

C842 2700p

C841 2700p

C840 2700p

C839 2700p

IC833 NJM2100M(TE2)

IC832 NJM2100M(TE2)

IC831 NJM2100M(TE2)

IC830 NJM2100M(TE2)

C958 0.01

C957 0.01

C956 0.01

C955 0.01

C862 10/16

C866 10/16

C861 10/16

C865 10/16

C860 10/16

C864 10/16

C859 10/16

C863 10/16

R889 1k

R888 100

R887 100

R876 100k

R893 1k

R886 1k

R885 100

R884 100

R874 100k

R892 1k

R883 1k

R882 100

R881 100

R872 100k

R891 1k

R880 1k

R879 100

R878 100

R870 100k

R890 1k

FB837 0

FB836 0

FB835 0

FB834 0

FB833 0

FB832 0

FB831 0

FB830 0

Q837 2SC4116GR MUTE

Q836 2SC4116GR MUTE

Q835 2SC4116GR MUTE

Q834 2SC4116GR MUTE

Q833 2SC4116GR MUTE

Q832 2SC4116GR MUTE

Q831 2SC4116GR MUTE

Q830 2SC4116GR MUTE

R877 100k

R875 100k

R874 100k

R873 100k

R872 100k

R871 100k

R870 100k

T800 C-BALUN 5BLS-2LINE

T801 C-BALUN 5BLS-3LINE

T802 C-BALUN 5BLS-3LINE

T803 C-BALUN 5BLS-3LINE

T804 C-BALUN 5BLS-3LINE

J800 L_CH R_CH AUDIO OUT

R812 0

P.INJACK-GND 1P

To VIDEO OUTPUT SECTION 1P

TP851 TP852 TP845 TP844 TP843 TP842 TP841 TP840 TP846

CN800

L CH OUT	13
R CH OUT	12
M.L CH OUT	11
M.R CH OUT	10
M.LS CH OUT	9
M.RS CH OUT	8
M.CENT CH OUT	7
M.SUB CH OUT	6
AVGND	5
DGND	4
AMP_CONT1	3
AMP_CONT2	2
AMP_CONT3	1

To XA-DV1 AMP MAIN C.B (MAIN AMP SECTION) J201

TP847 TP848 TP849

3.0 2.9 3.0

R862 10k

R863 1000p

R864 0

DGND 2F

SW-GND 1N

AMPGND 2N

To POWER SECTION 2F

To AUDIO-DAC SECTION 1N,2N

AMP_CONT1 1M

AMP_CONT2 2M

AMP_CONT3 3M

To DECODER SECTION 1N,2N

NOTE:

◉ TEST LAND

▶ : AUDIO DATA

▶▶ : AUDIO SIGNAL

▷ : KARAOKE SIGNAL

(AUDIO OUTPUT SECTION)

MAIN C.B -Top View-

TO FRONT C.B CN300

To XA-DV1
AMP MAIN C.B
J201

MAIN C.B -Bottom View-

J001
ĐC IN 6.3V
To XA-DV1
AMP MAIN C.B
J802

To
ĐVĐ PICK UP ASSY
(W100)

(CNA601)
WHT
RED
S601
OPEN

To ĐVĐ MECHANISM
KHM-230
(CNA101)

TEST POINT
CONNECTOR

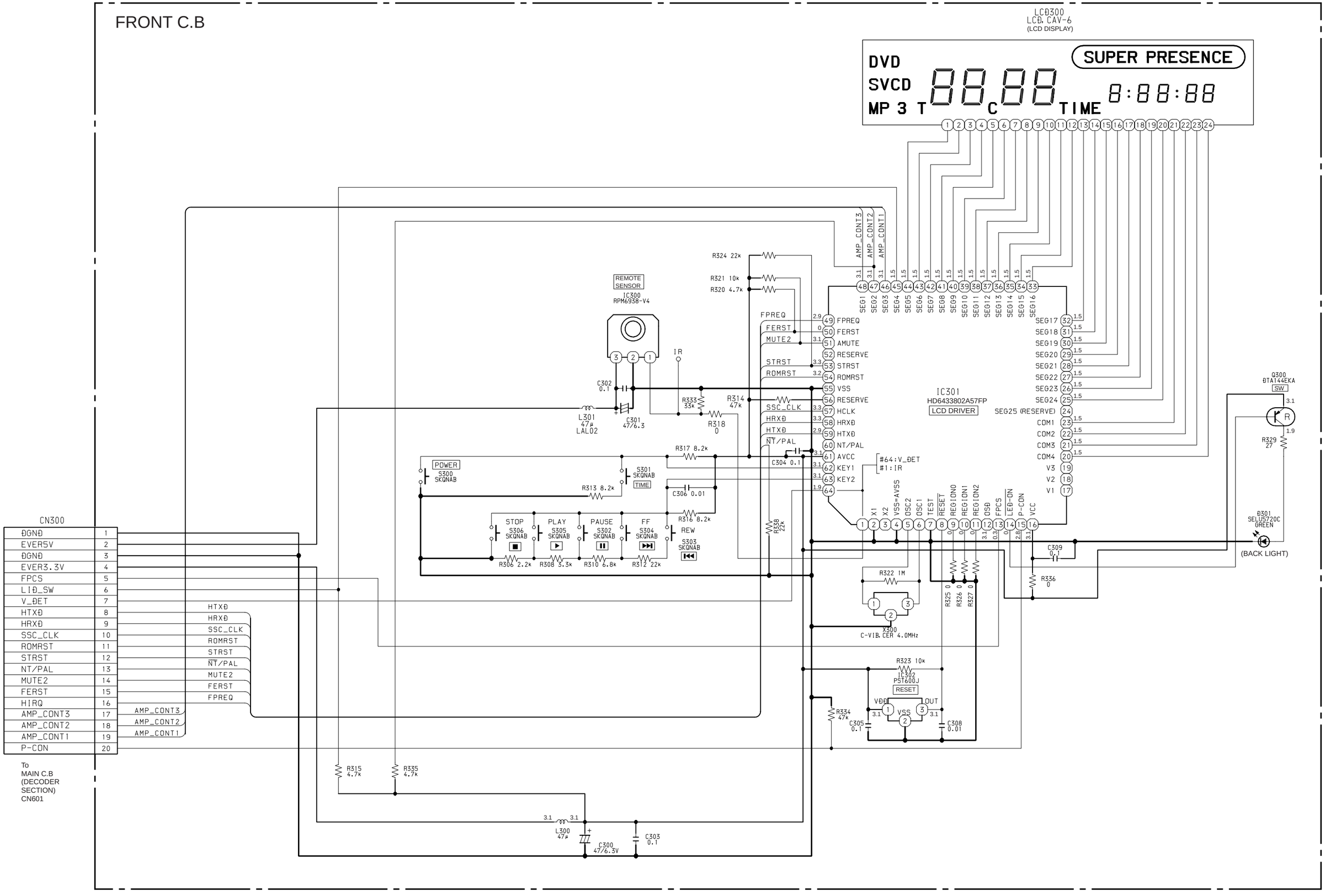
J900
S-VIĐEO

J800
AUDIO OUT
L
R

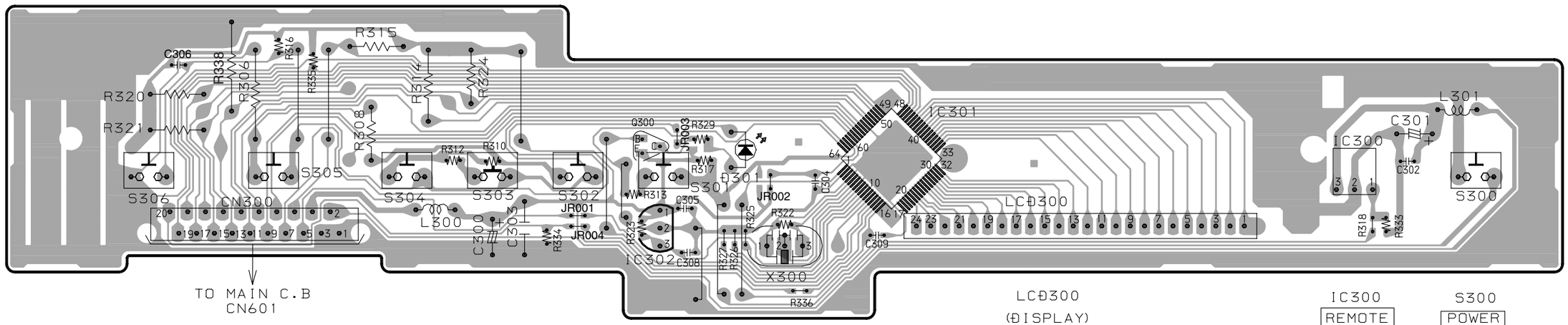
J901 (2/2)
VIĐEO OUT

J901 (1/2)
ĐIGITAL OUT
(OPTICAL)

FRONT C.B


LCD300
LCD, CAV-6
(LCD DISPLAY)
DVD
SVCD
MP 3 T
C
TIME
SUPER PRESENCE
IC300
RPM6938-V4
REMOTE SENSOR
IR
IC301
HD6433802A57FP
LCD DRIVER
Q300
DTA144EKA
SW
D301
SEL1U572OC
GREEN
(BACK LIGHT)
POWER
S300
SKQNAB
S301
SKQNAB
TIME
STOP
S306
SKQNAB
PLAY
S305
SKQNAB
PAUSE
S302
SKQNAB
FF
S304
SKQNAB
REW
S303
SKQNAB
X300
C-VIB CER 4.0MHz
IC302
PST600J
RESET
#64:V_DET
#1:IR
CN300
ĐGNĐ 1
EVER5V 2
ĐGNĐ 3
EVER3.3V 4
FPCS 5
LIĐ_SW 6
V_ĐET 7
HTXĐ 8
HRXĐ 9
SSC_CLK 10
ROMRST 11
STRST 12
NT/PAL 13
MUTE2 14
FERST 15
HIRQ 16
AMP_CONT3 17
AMP_CONT2 18
AMP_CONT1 19
P-CON 20
To
MAIN C.B
(DECODER
SECTION)
CN601

FRONT C.B



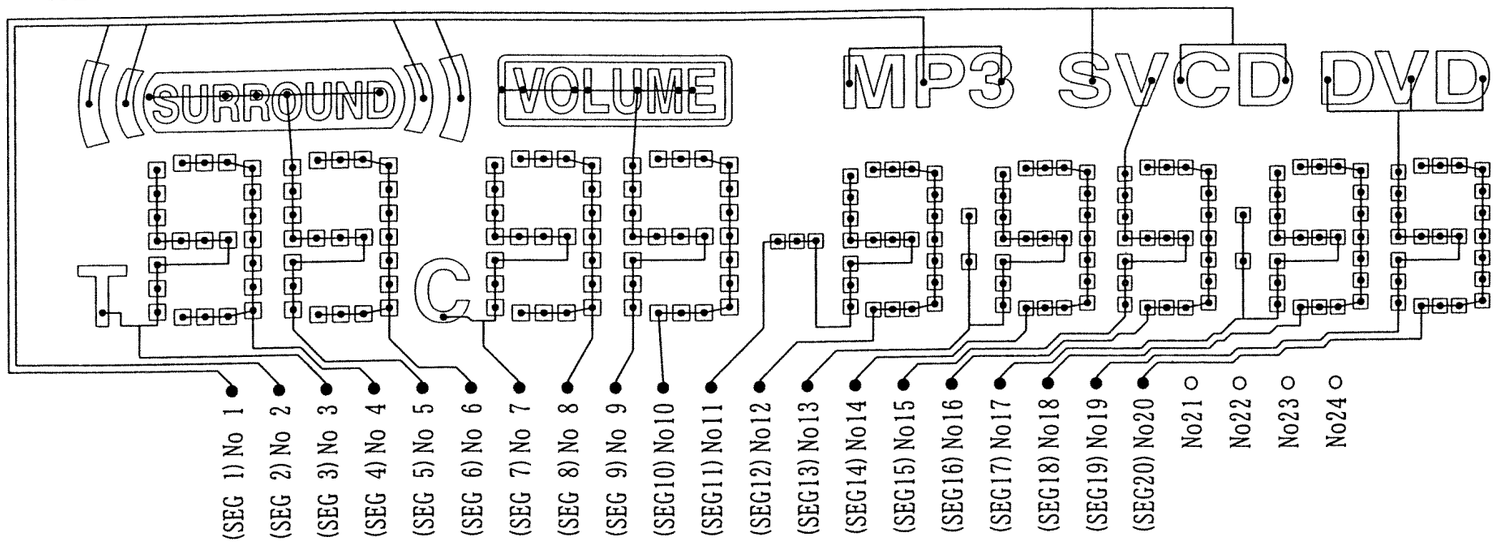
S306 S305 S304 S303 S302 S301 TIME Đ301 (BACK LIGHT)

LCĐ300 (ĐISPLAY)

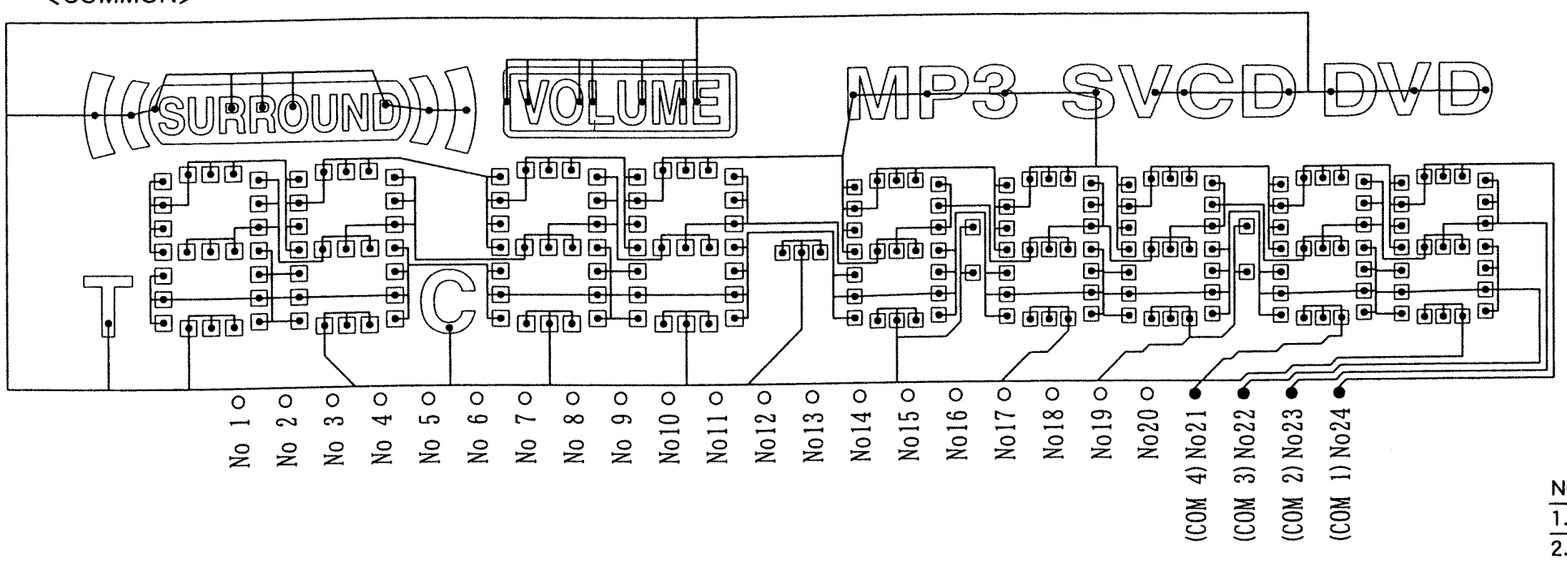
IC300 REMOTE SENSOR

S300 POWER

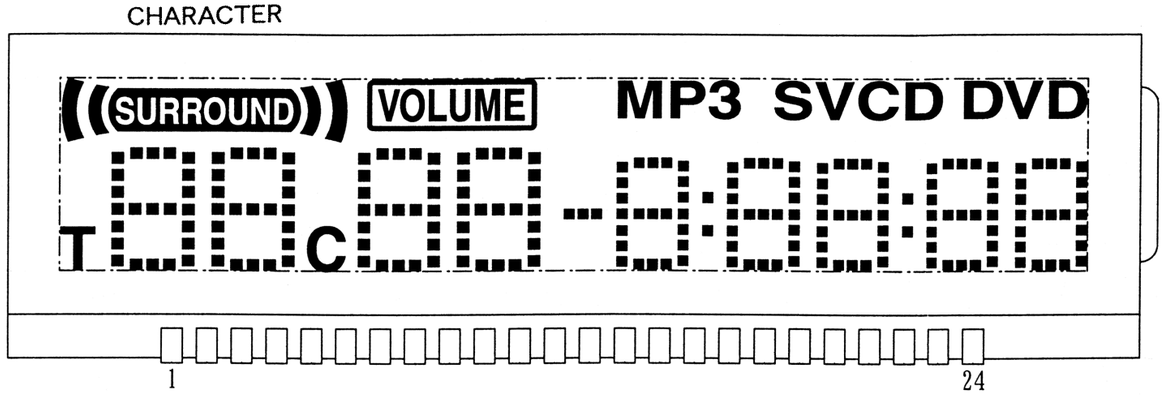
WIRING



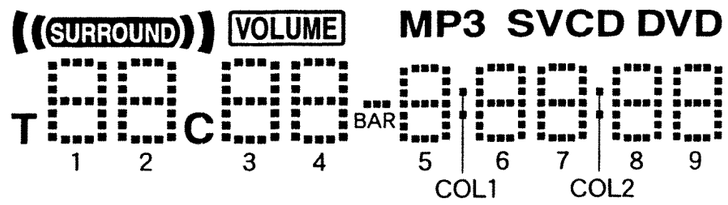
<COMMON>

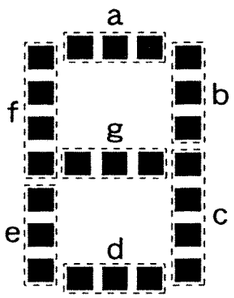


CHARACTER



CHARACTER NAME／WIRING TABLE



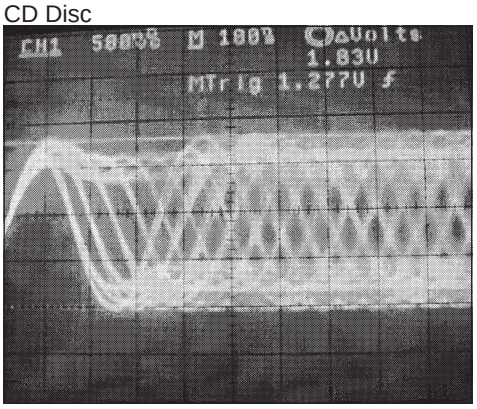


No	COM1	COM2	COM3	COM4
1	S	—	—	CD
2	MP3	—	—	(( ))
3	1f	1g	1e	T
4	1a	1b	1c	1d
5	2f	2g	2e	SURROUND
6	2a	2b	2c	2d
7	3f	3g	3e	C
8	3a	3b	3c	3d
9	4f	4g	4e	VOLUME
10	4a	4b	4c	4d
11	5f	5g	5e	BAR
12	5a	5b	5c	5d
13	6f	6g	6e	COL1
14	6a	6b	6c	6d
15	7f	7g	7e	V
16	7a	7b	7c	7d
17	8f	8g	8e	COL2
18	8a	8b	8c	8d
19	9f	9g	9e	DVD
20	9a	9b	9c	9d
21	—	—	—	COM4
22	—	—	COM3	—
23	—	COM2	—	—
24	COM1	—	—	—

NOTES

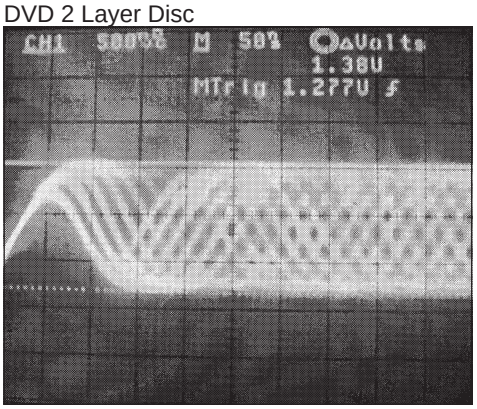
1. The inside of the speck chain line shows VIEWING AREA.
2. Character design inside VIEWING AREA is a provided data.

① TP210 (RFO)
CD Disc



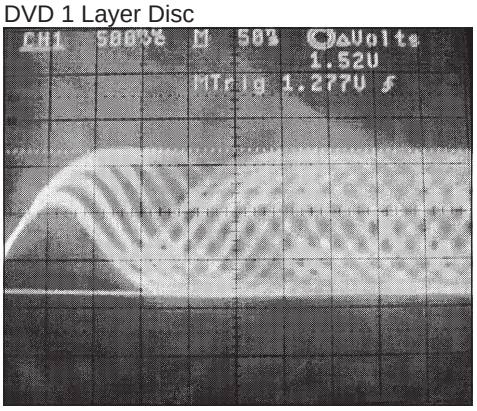
500 mV/div
100 ns/div

② TP210 (RFO)
DVD 2 Layer Disc



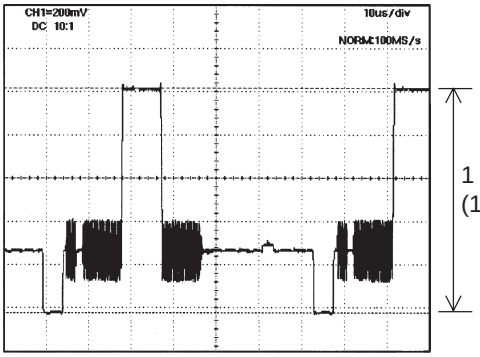
500 mV/div
50 ns/div

③ TP210 (RFO)
DVD 1 Layer Disc



500 mV/div
50 ns/div

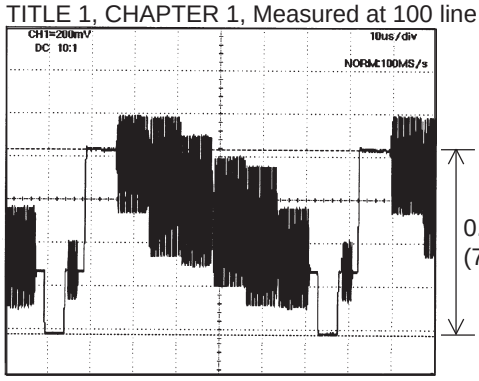
④ J901 (VIDEO OUT) 75 ohm Terminal
DVD Test Disc PTD1-NOR
TITLE 1, CHAPTER 1, Measured at 210 line



1 Vp-p (Typ)
(100 IRE)

200 mV/div
10 µs/div

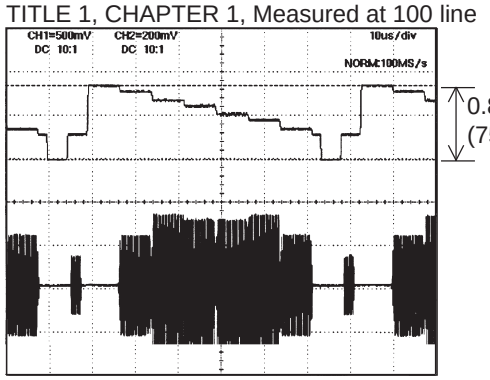
⑤ J901 (VIDEO OUT) 75 ohm Terminal
DVD Test Disc PTD1-NOR
TITLE 1, CHAPTER 1, Measured at 100 line



0.82 Vp-p (Typ)
(75 IRE)

200 mV/div
10 µs/div

⑥ J900 (Y/C OUT) 75 ohm Terminal
DVD Test Disc PTD1-NOR
TITLE 1, CHAPTER 1, Measured at 100 line

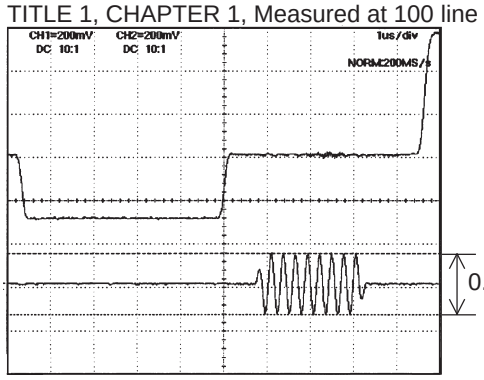


0.82 Vp-p (Typ)
(75 IRE)

500 mV/div
10 µs/div

200 mV/div
10 µs/div

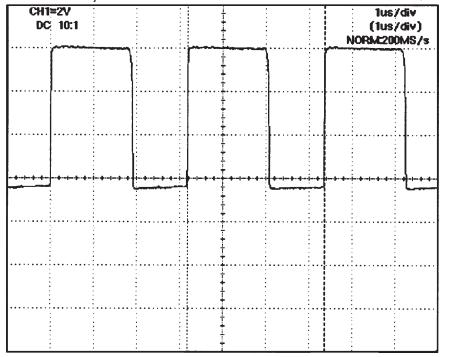
⑦ J900 (Y/C OUT) 75 ohm Terminal (Enlargement)
DVD Test Disc PTD1-NOR
TITLE 1, CHAPTER 1, Measured at 100 line



0.29 Vp-p (Typ)

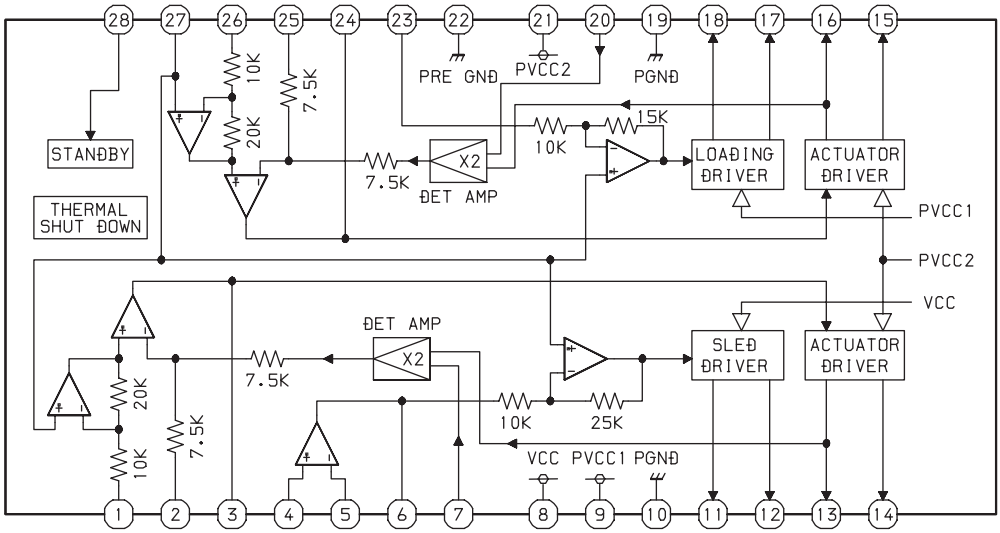
200 mV/div
1 µs/div

⑧ Q003 Collector (PB Mode)
DVD Test Disc PTD1-NOR
TITLE 1, CHAPTER 1

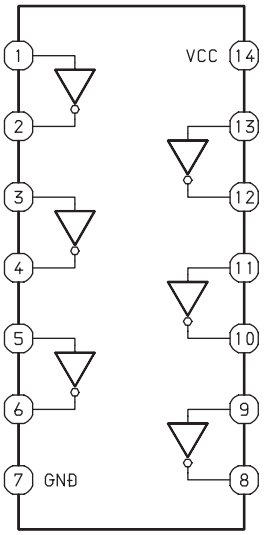


2 V/div
1 µs/div

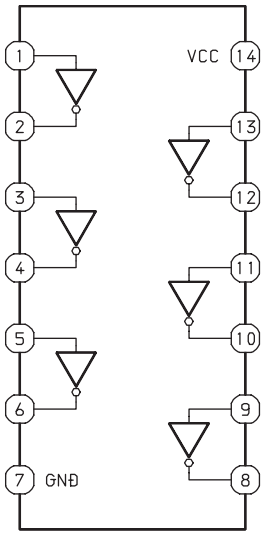
IC, BA5954FP



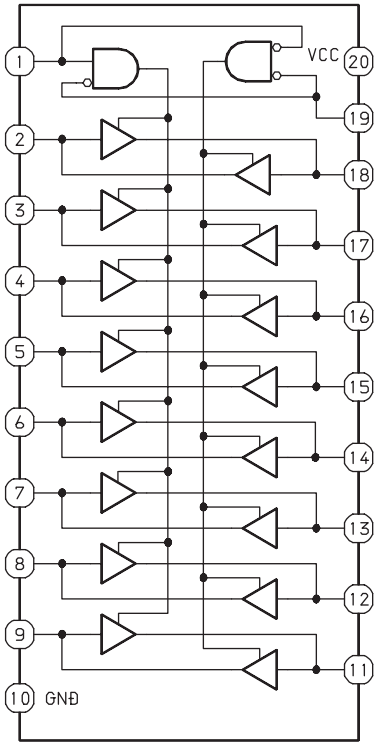
IC, HD74LV04AT



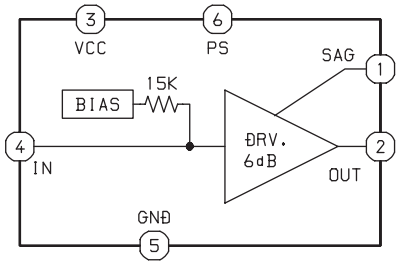
IC, HD74LVU04



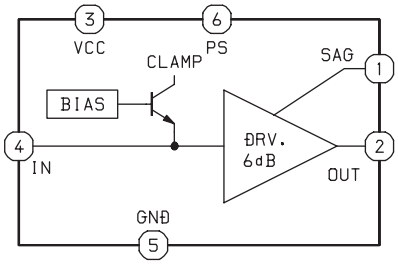
IC, HD74LV245AT



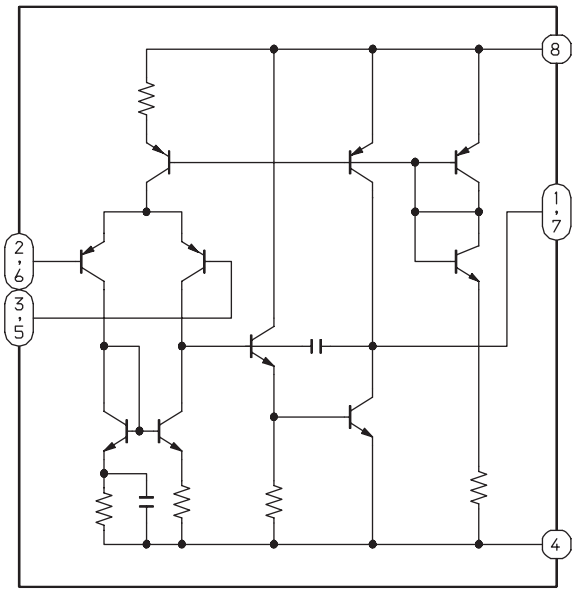
IC, MM1509XNRE



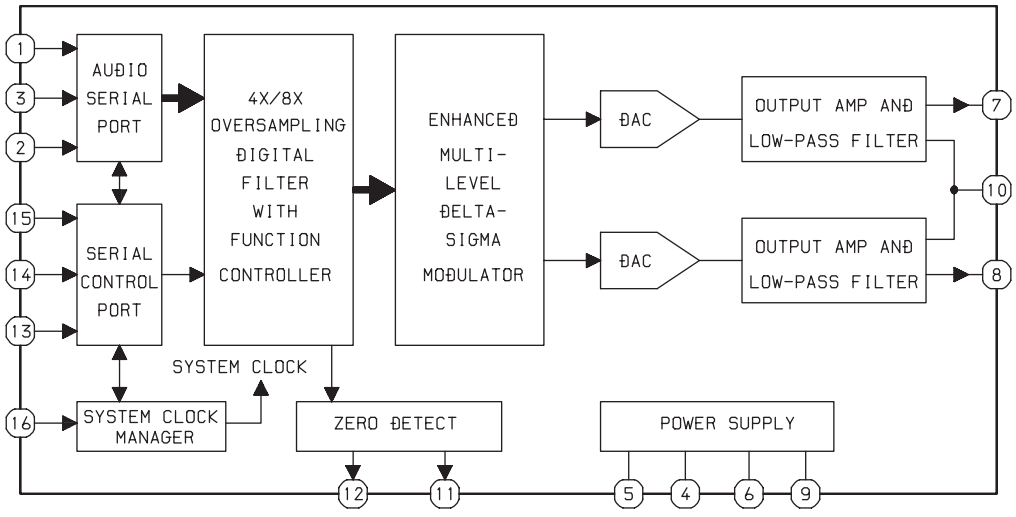
IC, MM1510XNRE



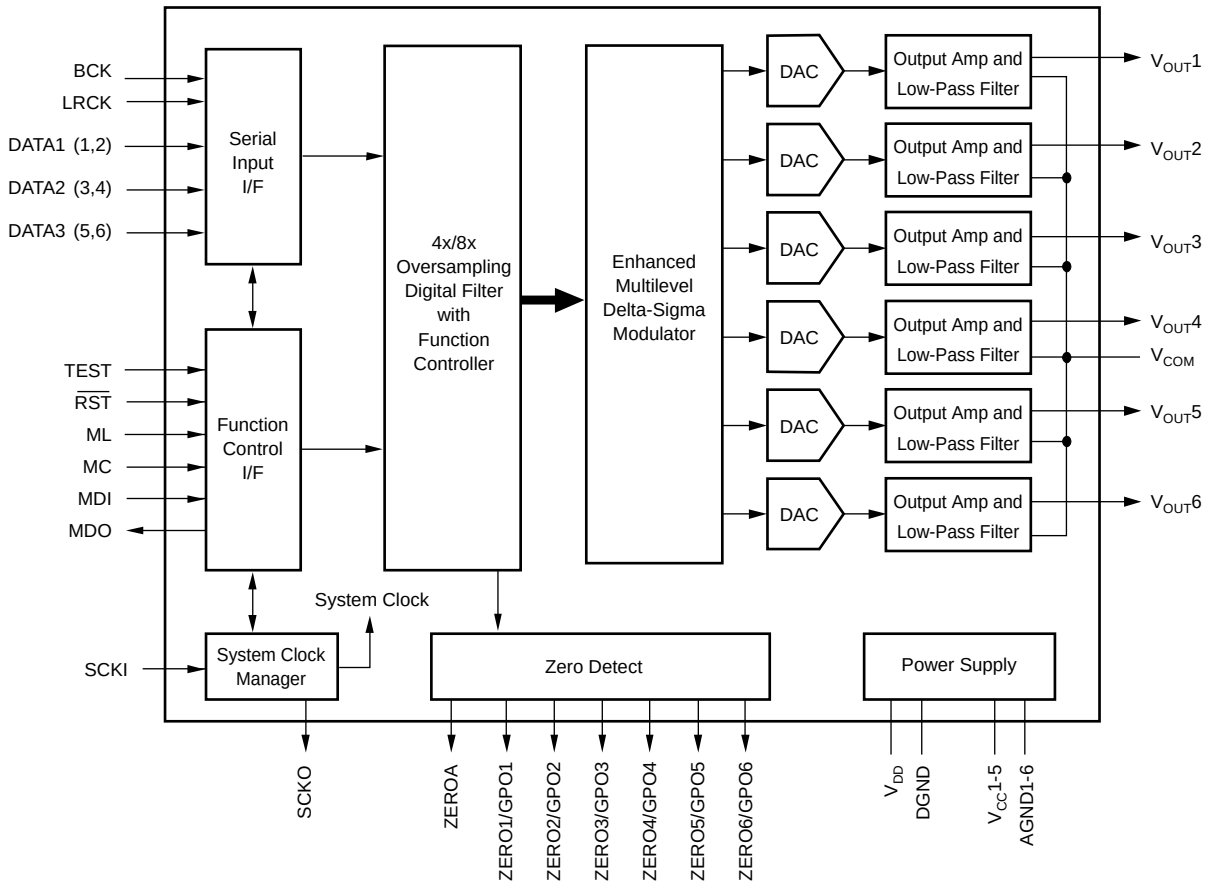
IC, NJM2100M(TE2)

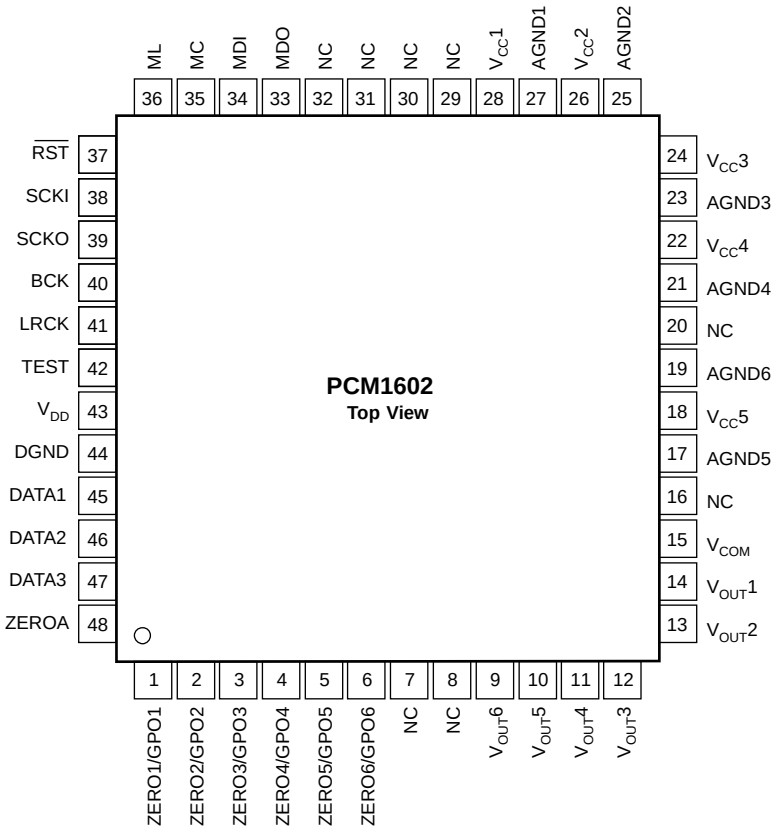


IC, PCM1742 KE

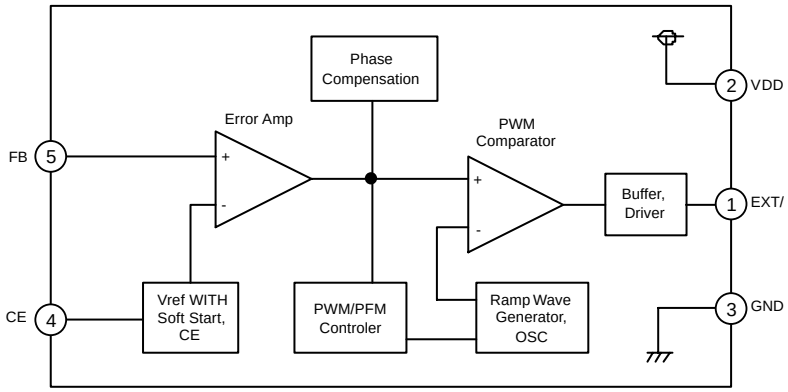


IC, PCM1602


BCK
LRCK
DATA1 (1,2)
DATA2 (3,4)
DATA3 (5,6)
Serial Input I/F
TEST
RST
ML
MC
MDI
MDO
Function Control I/F
4x/8x Oversampling Digital Filter with Function Controller
Enhanced Multilevel Delta-Sigma Modulator
DAC
Output Amp and Low-Pass Filter
VOUT1
VOUT2
VOUT3
VOUT4
VCOM
VOUT5
VOUT6
System Clock
SCKI
System Clock Manager
Zero Detect
Power Supply
SCKO
ZEROA
ZERO1/GPO1
ZERO2/GPO2
ZERO3/GPO3
ZERO4/GPO4
ZERO5/GPO5
ZERO6/GPO6
VDD
DGND
VCC1-5
AGND1-6


ML 36
MC 35
MDI 34
MDO 33
NC 32
NC 31
NC 30
NC 29
VCC1 28
AGND1 27
VCC2 26
AGND2 25
RST 37
SCKI 38
SCKO 39
BCK 40
LRCK 41
TEST 42
VDD 43
DGND 44
DATA1 45
DATA2 46
DATA3 47
ZEROA 48
PCM1602
Top View
24 VCC3
23 AGND3
22 VCC4
21 AGND4
20 NC
19 AGND6
18 VCC5
17 AGND5
16 NC
15 VCOM
14 VOUT1
13 VOUT2
1 ZERO1/GPO1
2 ZERO2/GPO2
3 ZERO3/GPO3
4 ZERO4/GPO4
5 ZERO5/GPO5
6 ZERO6/GPO6
7 NC
8 NC
9 VOUT6
10 VOUT5
11 VOUT4
12 VOUT3

IC, XC6366B103MR



Pin No.	Pin Name	I/O	Description
1	IR	I	Infa-red signal input.
2	X1	I	Connected to GND.
3	X2	O	Not used.
4	VSS	–	GND.
5	OSC2	O	4MHz crystal oscillator out.
6	OSC1	I	4MHz crystal oscillator in.
7	TEST	I	Connected to GND.
8	$\overline{\text{RESET}}$	I	Chip hard reset.
9	REGION0	I	Region code 0. (Connected to GND)
10	REGION1	I	Region code 1. (Connected to GND)
11	REGION2	I	Region code 2. (Connected to GND)
12	OSD	I	OSD mode select. (Not used)
13	FPCS	I	Front panel chip select.
14	$\overline{\text{LED-ON}}$	O	LED on for backlight LED (H: Off, L: On).
15	P-CON	O	Power on control.
16	VCC	–	+3.3V power supply.
17 ~ 19	V1 ~V3	–	Not used.
20 ~ 23	COM1 ~ COM4	O	LCD common output.
24	RESERVE	I/O	Not used.
25 ~ 44	SEG24 ~ SEG5	O	LCD segment output.
45	SEG4	I	LID-SW detect (H: Open, L: Close).
46	SEG3	O	Send data for amplifier. (Not used)
47	SEG2	I	Receive data from amplifier. (Not used)
48	SEG1	O	Data clock for SCI. (Not used)
49	FPREQ	O	SCI request for IC, STI5519 (L: Request).
50	FERST	O	Hard reset for front end.
51	AMUTE	O	Audio mute (H: Mute, L: Off).
52	RESERVE	O	Not used.
53	STRST	O	Hard reset for IC, STI5519.
54	ROMRST	O	Hard reset for FLASH ROM.
55	VSS	–	GND.
56	RESERVE	I	Connected to pull-up resistor.
57	HSCK	I	SCI clock in.
58	HRXD	I	SCI data in.
59	HTXD	O	SCI data out.
60	NT/PAL	I	Video output mode select (H: PAL, L: NT). (Not used)
61	AVCC	–	+3.3V power supply.
62	KEY1	I	Key search 1 (2 keys). [POWER, TIME]
63	KEY2	I	Key search 2 (5 keys). [STOP, PLAY, PAUSE, FF, REW]
64	V-DET	I	Input voltage detect (Limit > = 2.5V).

Pin No.	Pin Name	I/O	Description
1	TRLP	–	Low pass filter capacitor connecting.
2	CSO	O	Central servo signal output.
3	CSONI	I	Central servo amplifier negative input.
4 ~ 5	VDD	–	Digital power.
6	LRFRP	O	Low frequency RF ripple output.
7	HRFRP	O	High frequency RF ripple output.
8	CRTP	–	RF top envelop filter capacitor connecting.
9	CRTPLP	–	Defect level filter capacitor connecting.
10	HTRC	O	High speed track counting digital output. (Not used)
11	RST	I	Reset (active high).
12	XCK16M	I	16.9MHz for verification. (Not used)
13	DEFECT	O	Flag of bad data output status.
14	SLCK	I	RF serial clock input.
15	SDEN	I	RF serial data enable.
16	SDATA	I/O	RF serial data I/O.
17	DPDMUTE	I	DPD mute control input.
18 ~ 19	GND	ñ	GND.
20	HTRCMPH	O	Not used.
21 ~ 22	AGND	–	GND.
23	IR	–	DPD reference resistor connecting.
24 ~ 25	AVDD	–	RF power.
26	MON	O	Not used.
27	MOP	O	Not used.
28	AGND	–	GND.
29	NC	–	Not connected.
30	AVDD	–	RF power.
31	VCON	O	Not used.
32 ~ 33	TM1 ~ TM2	I	Trimming pin for ALPC1. (Not used)
34	AVDD	–	RF power.
35 ~ 36	TM3 ~ TM4	I	Trimming pin for ALPC2. (Not used)
37	AGND	–	GND.
38	DVDRFIN	I	DVD RF signal input RFIN.
39	DVDRFIP	I	DVD RF signal input RFIP. (Not used)
40 ~ 43	DVDA ~ DVDD	I	DVD RF signal input A ~ D.
44	DVDFNI	I	DVD focusing error negative input.
45	DVDFPI	I	DVD focusing error positive input.
46	DVDCSNI	I	DVD central servo signal negative input.
47	DVDCSPI	I	DVD central servo signal positive input.
48 ~ 50	NC	–	Not connected.
51	MDI2	I	Laser power monitor input.
52	LDO2	O	Laser driver output.

Pin No.	Pin Name	I/O	Description
53 ~ 56	CDA ~ CDD	I	CD RF signal input A ~ D. (Not used)
57 ~ 58	AGND	–	GND.
59	RFGC	–	RF VGA control.
60	OSN	–	Offset cancellation capacitor connecting.
61	OSP	–	Offset cancellation capacitor connecting.
62 ~ 63	AVDD	–	RF power.
64	CDFNI	I	CD focusing error negative input. (Not used)
65	CDFPI	I	CD focusing error positive input. (Not used)
66 ~ 68	NC	–	Not connected.
69	CDCSNI	I	CD central servo signal negative input. (Not used)
70	CDCSPI	I	CD central servo signal positive input. (Not used)
71 ~ 73	NC	–	Not connected.
74	COSPHI	–	Not used.
75	REFCOS	–	Not used.
76	HALLCOS	–	Not used.
77	SINPHI	–	Not used.
78	REFSIN	–	Not used.
79	HALLSIN	–	Not used.
80	MDI1	I	Laser power monitor input.
81	LDO1	O	Laser driver output.
82	TPI	I	3 beam satellite PD signal input.
83	TNI	I	3 beam satellite PD signal input.
84	HTE	O	Not used.
85	RFON	O	RF negative output.
86	RFOP	O	RF positive output.
87	DPFO	O	DPD amplifier output.
88	DPFN	I	DPD amplifier negative input.
89 ~ 90	SVDD	–	Servo analog power.
91	V2REFO	O	Reference voltage 4.0V.
92	VREFO	O	Reference voltage 2.0V.
93	FLVL	O	RF level output.
94	FLVLNI	I	RF level amplifier negative input.
95	FEO	O	Focusing error output.
96	FEONI	I	Focusing error amplifier negative input.
97	TEO	O	Tracking error output.
98 ~ 99	SGND	–	GND.
100	TRLPA	–	Low pass filter capacitor connecting.

Pin No.	Pin Name	I/O	Description
1	VBDPLL	O	Reference voltage.
2	PLLVSS	–	Ground pin for data PLL and related analog circuitry.
3	LPIO	O	The output of VCO integrator.
4	LPIN	I	The negative input terminal of VCO integrator.
5	LPFO	O	The output of loop filter amplifier.
6	LPFN	I	The negative input terminal of loop filter amplifier.
7	IREF	I	Current reference input. It generate reference current for data PLL. Connect an external resistor to this pin and PLLVSS.
8	PDO	O	Phase comparator output. Output the phase difference of EFM and Pck. Sink or (source) a constant current to loop filter over this pin when phase difference occurs. Otherwise, this pin is high impedance.
9	JITFO	O	The output terminal of RF jitter meter.
10	JITFN	I	The input terminal of RF jitter meter.
11	PLLVDD	–	Power for data PLL and related analog circuitry.
12	FOO	O	Focus servo output. PDM output of focus servo compensator.
13	TRO	O	Tracking servo output. PDM output of tracking servo compensator.
14	PWMOUT1	O	1st general PWM output. (Not used)
15	PWMOUT2	O	2nd general PWM output. (DPD mute control output)
16	DVDD	–	+5V digital supply.
17	DMO	O	Disk motor control output. PWM output.
18	FMO	O	Feed motor control. PWM output.
19	TROPENPWM	O	Tray open output. Controlled by µP. (Not used)
20	FG	I	Motor hall sensor input. (Not used)
21	DVSS	–	Digital ground.
22	TRCLOSE	O	Tray close output. (Not used)
23	IO9/$\overline{CS}$	I/O	General programmable I/O (Standby) / Chip select signal for FLASH ROM selection (when in IDE update FLASH ROM mode), active low (not used).
24	UALE	I/O	Address latch enable. (Connected to pull-up resistor)
25 ~ 28	UAD7 ~ UAD4	I/O	µP address/data bus.
29	DVSS	–	Digital ground.
30 ~ 33	UAD3 ~ UAD0	I/O	µP address/data bus.
34	DVDD3	–	+3.3V digital supply.
35	UP2_7/UCS2	I/O	µP upper address bus / µP chip select 2 (for internal RAM).
36	UP2_6/UCS1	I/O	µP upper address bus / µP chip select 1 (for internal RAM).
37 ~ 42	UP2_5 ~ UP2_0	I/O	µP upper address bus.
43	DVSS	–	Digital ground.
44 ~ 51	UA7 ~ UA0	I/O	µP lower address bus.
52	DMVSS	–	Ground pin for DRAM clock circuitry.
53	DMVDD	–	Power pin for DRAM clock circuitry.
54	UA16	I/O	µP address bit 16/general programmable I/O.
55	$\overline{UPSEN}$	O	Programmable store enable output.

Pin No.	Pin Name	I/O	Description
56	$\overline{\text{UWR}}$	I/O	µP write strobe.
57	$\overline{\text{URD}}$	I/O	µP read strobe. (Not used)
58	URST	O	Reset signal output, active high.
59	UP3_0	I/O	Serial receive data/general programmable I/O. (Not used)
60	UP3_1	I/O	Serial transmit data/general programmable I/O. (Not used)
61	UP3_2	I/O	External interrupt 0/general programmable I/O. (Not used)
62	$\overline{\text{UINT}}$	O	µP interrupt. (Not used)
63	UP3_4	I/O	Timer 0 input/general programmable I/O. (Not used)
64	UP3_5	I/O	Timer 1 input/general programmable I/O. (Not used)
65	DVDD3	–	+3.3V digital supply.
66	XTALI	I	Crystal input. The working frequency is 33.8MHz.
67	XTALO	O	Crystal output.
68	DVSS	–	Digital ground.
69	DQM	I/O	SDRAM I/O mask. (Not used)
70	BA1	I/O	SDRAM bank address 1. (Not used)
71	BA0	O	SDRAM bank address 0. (Not used)
72	CKE	O	SDRAM clock enable. (Not used)
73	CLK	O	SDRAM clock. (Not used)
74 ~ 75	RA11 ~ RA10	O	RAM address bus. (Not used)
76	DVDD	–	+5V digital supply.
77 ~ 83	RA6 ~ RA0	O	RAM address bus.
84	DVDD3	–	+3.3V digital supply.
85 ~ 86	RA7 ~ RA8	O	RAM address bus.
87	DVSS	–	Digital ground.
88	RA9	O	RAM address bus.
89	$\overline{\text{RAS}}$	O	RAM row address strobe.
90	$\overline{\text{ROE}}$	O	RAM output enable.
91	$\overline{\text{RWE}}$	O	RAM write enable (low).
92	$\overline{\text{CASH}}$/$\overline{\text{RWEH}}$	O	RAM column address strobe / Write enable high.
93	$\overline{\text{CAS}}$	O	RAM column address strobe (low).
94	DVDD3	–	+3.3V digital supply.
95 ~ 96	RD7 ~ RD8	I/O	RAM data bus.
97	RD6	I/O	RAM data bus.
98	RD9	I/O	RAM data bus.
99	RD5	I/O	RAM data bus.
100	RD10	I/O	RAM data bus.
101	DVSS	–	Digital ground.
102	RD4	I/O	RAM data bus.
103	RD11	I/O	RAM data bus.
104	IPLLVDD	-	Power pin for system varipitch circuitry.
105	IPLLVSS	-	Ground pin for system varipitch circuitry

Pin No.	Pin Name	I/O	Description
106	RD3	I/O	RAM data bus.
107	RD12	I/O	RAM data bus.
108	RD2	I/O	RAM data bus.
109	RD13	I/O	RAM data bus.
110	RD1	I/O	RAM data bus.
111	RD14	I/O	RAM data bus.
112	RD0	I/O	RAM data bus.
113	RD15	I/O	RAM data bus.
114	NC	–	Not connected.
115	AVSS	–	Analog ground.
116 ~ 118	NC	–	Not connected.
119	AVDD	–	+5V analog supply.
120	$\overline{\text{DASP}}$	I/O	Drive active/slave present. (Connected to pull-up resistor)
121	$\overline{\text{CS3FX}}$	I	Host chip select 2 (for 3Fxh/37xh).
122	$\overline{\text{CS1FX}}$	I	Host chip select 1 (for 1Fxh/17xh).
123	DVDD3	–	+3.3V digital supply.
124	HA2	I	Host address bus.
125	HA0	I	Host address bus.
126	$\overline{\text{PDIAG}}$	I/O	Passed diagnostics. (Connected to pull-up resistor)
127	HA1	I	Host address bus.
128	DVDD	–	+5V digital supply.
129	$\overline{\text{IOCS16}}$	O	I/O 16 bit chip select.
130	INTRQ	O	Host interrupt.
131	$\overline{\text{DMACK}}$	I	DMA acknowledge. (Connected to pull-up resistor)
132	IORDY	O	I/O channel ready.
133	$\overline{\text{DIOR}}$	I	Drive I/O read.
134	DVSS	–	Digital ground.
135	$\overline{\text{DIOW}}$	I	Drive I/O write.
136	DMARQ	O	DMA request. (Not used)
137	HD15	I/O	Host data bus.
138	HD0	I/O	Host data bus.
139	HD14	I/O	Host data bus.
140	DVSS	–	Digital ground.
141	HD1	I/O	Host data bus.
142	HD13	I/O	Host data bus.
143	HD2	I/O	Host data bus.
144	HD12	I/O	Host data bus.
145	HD3	I/O	Host data bus.
146	DVSS	–	Digital ground.
147	HD11	I/O	Host data bus.
148	HD4	I/O	Host data bus.

Pin No.	Pin Name	I/O	Description
149	HD10	I/O	Host data bus.
150	HD5	I/O	Host data bus.
151	DVSS	–	Digital ground.
152	HD9	I/O	Host data bus.
153	HD6	I/O	Host data bus.
154	HD8	I/O	Host data bus.
155	HD7	I/O	Host data bus.
156	DVDD	–	+5V digital supply.
157	$\overline{\text{HRST}}$	I	Host reset.
158	PRST	I	Power on reset.
159	VPVDD	–	Power pin for varipitch VCO circuitry.
160	VCOCIN	I	Connect capacitor for compensator loop filter.
161	VPVSS	–	Ground pin for varipitch VCO circuitry.
162	TEST	I	Test mode control pin. (Not used)
163	$\overline{\text{LID\_SW}}$	I	Tray is in input. A logical low indicates the tray is in. Feedback flag from tray connector.
164	$\overline{\text{TRAYOUT}}$	I	Tray is out input. A logical low indicates the tray is out. Feedback flag from tray connector.
165	$\overline{\text{LIMIT}}$	I	Sledge inner limit input, active low.
166	EJ/$\overline{\text{STOP}}$	I	Eject / Stop key input, active low. (Not used)
167	PLY/$\overline{\text{PAU}}$	I	Play / Pause key input, active low. (Not used)
168	LED	O	LED control output controlled by µP. (Not used)
169	ENDM	O	Enable/disable disk motor. A logical high enable disk motor. (Not used)
170	DVDD3	–	+3.3V digital supply.
171	FLAGD	I/O	Servo DSP flag. (Not used)
172	FLAGC	I/O	Servo DSP flag. (Not used)
173	FLAGB	I/O	Servo DSP flag. (Not used)
174	FLAGA	I/O	Servo DSP flag. The internal flags of servo DSP can be selected to output over FLAGA, FLAGB, FLAGC and FLAGD pins. To program the selection µP must write FLGMOD register. / Internal or external µP select, "1": use external µP (i.e. ICE mode determined by power on reset) and disable internal µP. (Not used)
175	DVSS	–	Digital ground.
176	CD_MODE(IO8)	O	General programmable I/O. (Monitor voltage output)
177	IO7	I/O	General programmable I/O. (Not used)
178	IO6	I/O	General programmable I/O. (Serial transmit data)
179	IO5	I/O	General programmable I/O. (Serial receive data)
180	IO4	I/O	General programmable I/O. (Serial clock)
181 ~ 184	IO3 ~ IO0	I/O	Programmable I/O or internal non-servo flags output. (Not used)
185	SDATA	O	RF serial data output.
186	SDEN	O	RF serial data latch enable.
187	SCLK	O	RF serial clock output.
188	BDO	I	Flag of defect data input status.
189	PDMVDD	–	Ground for PDM circuitry.

Pin No.	Pin Name	I/O	Description
190	PWMVREF	I	A reference voltage input for PWM circuitry. A typical value of 2.0V.
191	PWM2VREF	I	A reference voltage input for PWM circuitry. A typical value of 4.0V.
192	PDMVSS	–	Power for PDM circuitry.
193	ADCVSS	–	Ground pin for ADC circuitry.
194	ADIN/IN0	I	General A/D input / General digital input. (Not used)
195	TEZISLV	I	Tracking error zero crossing low pass input.
196	TEZI	I	Tracking error zero crossing input.
197	TEI	I	Tracking error input.
198	FEI	I	Focus error input.
199	RELEVEL	I	Sub-beam add input or RFRP low pass input.
200	RFRP_DC	I	RF ripple detect input.
201	RFRP_AC	I	RF ripple detect input (through AC-coupling).
202	RFRPSLV	I	RFRP slice level input.
203	HRFZC	I	High frequency RF ripple zero crossing.
204	ADCVDD	–	Power pin for ADC circuitry.
205	SCO	O	Analog slicer current output. This pin is active when TRONS = 1. Otherwise, this pin is high impedance.
206	RFDTSLV	O	RF data slicer level output.
207	RFIP	I	The positive input terminal of RF differential signal.
208	RFIN	I	The negative input terminal of RF differential signal.

IC DESCRIPTION -4/5 (IC, STi5580 -1/4)

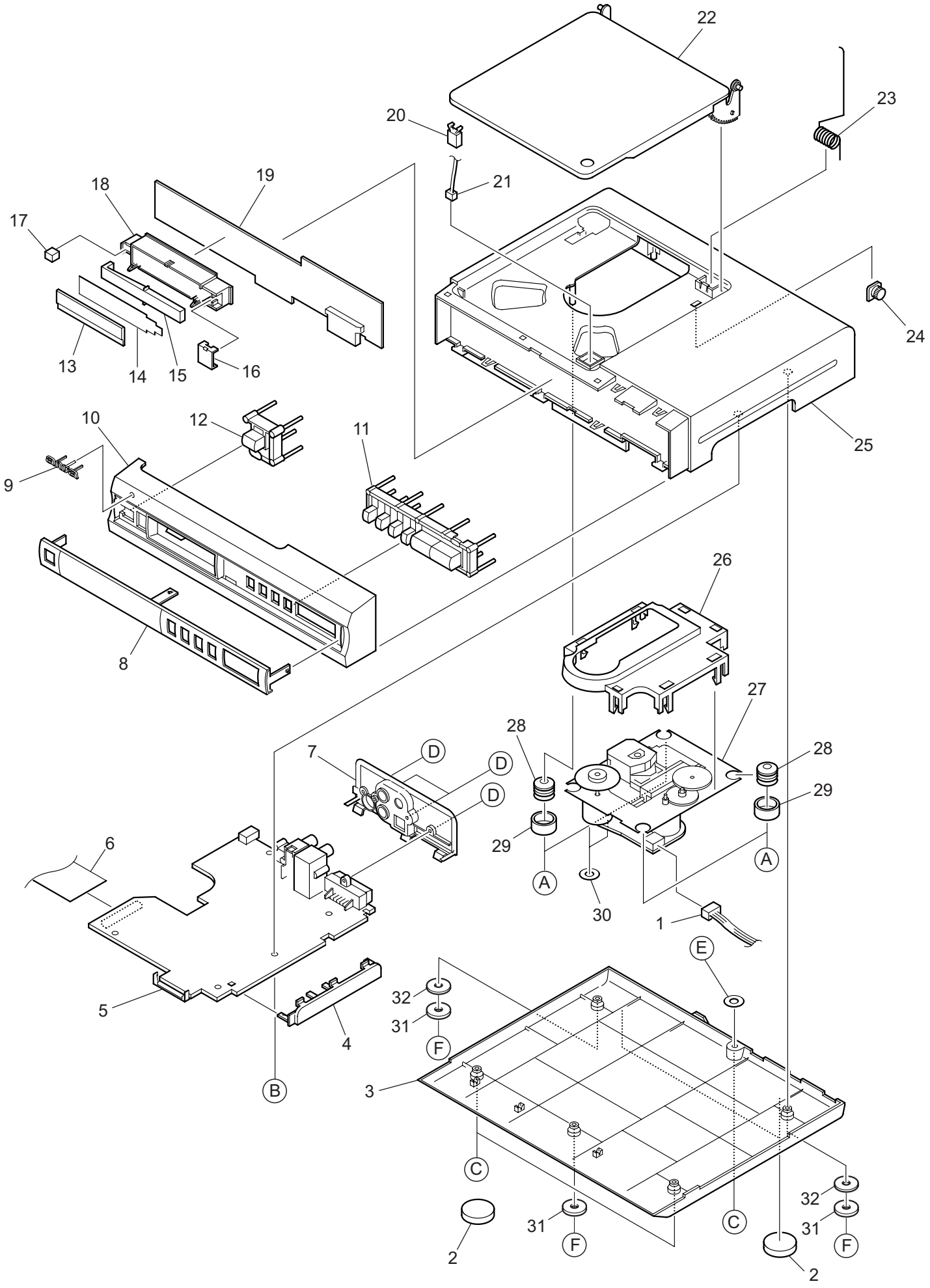
Pin No.	Pin Name	I/O	Description
1	PIO2-5	I/O	Not used.
2	PIO2-6	I/O	Not used.
3	PIO2-7	I/O	Not used.
4	VDD3_3	–	+3.3V power supply.
5	VSS	–	Ground.
6	PIO3-0	I/O	Not used.
7	SV1	O	Voltage output for S1 terminal.
8 ~ 9	PIO3-2 ~ PIO3-3	I/O	Not used.
10	PIO3-4	I/O	Connected to pull-up resistor.
11	TRAY-OUT	O	Tray is out output. A logical low indicates the tray is out.
12	LID-SW	O	Tray is in output. A logical low indicates the tray is in.
13	PIO3-7	I/O	Not used.
14	VDD2_5	–	+2.5V power supply.
15	VSS	–	Ground.
16	XDATA	I	I2S data. (Not used)
17	XBCLK	I	I2S bit clock. (Not used)
18	XPCLK	I	I2S error flag DVD. (Not used)

Pin No.	Pin Name	I/O	Description
19	XERROR	I	I2S sector/ABS time. (Not used)
20 ~ 22	PIO5-0 ~ PIO5-2	I/O	Not used.
23	VDD_RGB	–	+2.5V power supply for VDDA_RGB.
24	VSS_RGB	–	Ground for VSSA_RGB.
25	B_OUT(U_OUT)	O	Not used.
26	G_OUT(Y_OUT)	O	Not used.
27	R_OUT(V_OUT)	O	Not used.
28	V_REF_RGB	I	Reference voltage for DAC_RGB.
29	I_REF_RGB	I	Reference current for DAC_RGB.
30	VDD_YCC	–	+2.5V power supply for VDDA_YCC.
31	VSS_YCC	–	Ground for VSSA_YCC.
32	Y_OUT	O	Analog luminance signal output.
33	C_OUT	O	Analog chrominance signal output.
34	CV_OUT	O	Analog composite video signal output.
35	V_REF_YCC	I	Reference voltage for DAC_YCC.
36	I_REF_YCC	I	Reference current for DAC_YCC.
37	VDD2_5	–	+2.5V power supply.
38	VSS	–	Ground.
39 ~ 40	PIO4-0 ~ PIO4-1	I/O	Not used.
41	MDO	I/O	Not used.
42	PIO4-3	I/O	Not used.
43	ML	O	Mode control latch output terminal for audio DAC IC.
44	MC	O	Mode control clock output terminal for audio DAC IC.
45	MDI	O	Mode control data output terminal for audio DAC IC.
46	PIO4-7	I/O	Not used.
47	VDD3_3	–	+3.3V power supply.
48	VDD_PCM	–	+2.5V power supply for frequency synthesis.
49	VSS_PCM	–	Ground for frequency synthesis.
50	VSS	–	Ground.
51	PCM_SCLK	O	Audio data bit clock output terminal for audio DAC IC.
52	PCM_DATA0	O	Audio data digital output terminal for audio DAC IC.
53	PCM_DATA1	O	Not used.
54	PCM_DATA2	O	Not used.
55	PCM_MCLK	O	System clock output terminal for audio DAC IC.
56	PCM_LRCLK	O	Left and right channel audio data latch enable output terminal for audio DAC IC.
57	SPDIF	O	Sony/Philips data interface output.
58 ~ 63	AD4 ~ AD9	O	SDRAM address bus.
64	VDD2_5	–	+2.5V power supply.
65	VSS	–	Ground.
66 ~ 69	AD3 ~ AD0	O	SDRAM address bus.
70 ~ 73	AD10 ~ AD13	O	SDRAM address bus.

Pin No.	Pin Name	I/O	Description
74	SMI_CSO	O	Chip select for SDRAM.
75	NC	–	Not used
76	SMI_RAS	O	SDRAM row address strobe.
77	SMI_CAS	O	SDRAM column address strobe.
78	SMI_WE	O	SDRAM write enable.
79	SMI_DQML	O	SDRAM DQ mask enable low.
80	SMI_DQMU	O	SDRAM DQ mask enable up.
81	VDD3_3	–	+3.3V power supply.
82	SMI_CLKIN	I	SDRAM master clock in.
83	VSS	–	Ground.
84 ~ 93	DQ0 ~ DQ9	I/O	SDRAM data bus.
94	VDD2_5	–	+2.5V power supply.
95	SMI_CLK	O	SDRAM master clock out.
96	VSS	–	Ground.
97 ~ 102	DQ10 ~ DQ15	I/O	SDRAM data bus.
103 ~ 105	PIO5-3 ~ PIO5-5	I/O	Not used.
106	RESERVE	O	Reserve output. (Not used)
107	VDD3_3	–	+3.3V power supply.
108	VSS	–	Ground.
109	TRST	I	Test reset.
110	TMS	I	Test mode select.
111	TDO	O	Test data out.
112	TDI	I	Test data in.
113	TCK	I	Test clock in.
114	NC	–	Not connected.
115	XLINK/ROM	I/O	Connected to pull-up resistor.
116	NC	–	Not connected.
117	F_OE	I/O	FLASH ROM output enable.
118	SD_CLK	O	Not used.
119	VDD2_5	–	+2.5V power supply.
120	CLK_27MHZ	I	27MHz main clock.
121	VSS	–	Ground.
122	VDD_PLL	–	+2.5V power supply for PLL.
123	VSS_PLL	–	Ground for PLL.
124	3V3_RESET	I	Chip reset.
125	IRQ2	I	Connected to pull-up resistor.
126	IRQ1	I	Host interrupt.
127	FPIRQ	I	SCI request.
128	F_WE/DQM0	O	FLASH ROM write enable.
129	DQM1	O	Not used.
130	RDNOTWR	O	Read-not write.

Pin No.	Pin Name	I/O	Description
131	WAIT	I	Wait state.
132	F_CE	O	Chip select for FLASH ROM.
133	NC	–	Not connected.
134	AT_CE	O	Chip enable pin for ATAPI I/F DATA BUS BUFFER IC.
135	SD_RAS	O	Not used.
136	VDD3_3	–	+3.3V power supply.
137	VSS	–	Ground.
138	NC	–	Not connected.
139	SD_CAS	O	Not used.
140	SD_CSO	O	Not used.
141 ~ 148	DATA0 ~ DATA7	I/O	Data bus I/O terminal.
149	VDD2_5	–	+2.5V power supply.
150	VSS	–	Ground.
151 ~ 158	DATA8 ~ DATA15	I/O	Data bus I/O terminal.
159	VDD3_3	–	+3.3V power supply.
160	VSS	–	Ground.
161 ~ 170	ADDR1 ~ ADDR10	O	Address bus output terminal.
171	VDD2_5	–	+2.5V power supply.
172	VSS	–	Ground.
173 ~ 183	ADDR11 ~ ADDR21	O	Address bus output terminal.
184	VDD3_3	–	+3.3V power supply.
185	VSS	–	Ground.
186	AT_RST	O	Host reset.
187	AT_RD	O	Drive I/O read.
188	AT_WR	O	Drive I/O write.
189	PIO0-3	I/O	Not used.
190	PIO0-4	I/O	Connected to pull-up resistor.
191	PIO0-5	I/O	Connected to ground.
192	PIO0-6	I/O	Not used.
193	SSC_CLK	O	SCI clock out.
194	SDA	I/O	EEPROM serial data I/O.
195	SCL	O	EEPROM serial clock output.
196	MUTE	O	Audio mute.
197	TXD	O	SCI data out.
198	VDD2_5	ñ	+2.5V power supply.
199	VSS	ñ	Ground.
200	RXD	I	SCI data in.
201	BUSY	O	Front panel chip select.
202	TRIGIN	I	Trigger in for DCU. (Connected to pull-down resistor)
203	TRIGOUT	O	Trigger out for DCU. (Not used)
204 ~ 208	PIO2-0 ~ PIO2-4	I/O	Not used.

Pin No.	Pin Name	I/O	Description
1	DI	I	Digital audio input Serial data
2	BCI	I	Digital audio input Bit clock
3	DO	O	Digital audio output Serial data
4	L/R	O	Digital audio output Word clock
5	DVDD1	-	Power supply, +5 V (for digital system)
6	BCO	O	Digital audio output Bit clock
7	DVSS1	-	Ground (for digital system)
8	AVDD	-	Power supply, +5 V (for analog system)
9	PLLC	-	Connecting resistor and capacitor for PLL
10	AVSS	-	Ground (for analog system)
11	ADC1	-	Connecting capacitor for ADC
12	ADC2	-	Connecting capacitor for ADC
13	VREF	O	Referential voltage output
14	MICIN	I	Analog input, analog voice signal for microphone channel
15	AOL	O	Outputs analog voice signal for L channel
16	AOR	O	Outputs analog voice signal for R channel
17	XI	I	External clock input
18	/IC	I	Initial clear (Low active)
19	DVDD2	-	Power supply, +5 V (for digital system)
20	DEPI	I	De-emphasis control (H : On, L : Off)
21	DVSS2	-	Ground (for digital system)
22	XISEL/ZERO	I/O	Switches master clock rate/ZERO output
23	P0	I/O	Test input terminal /P0 output
24	/CS	I	Microcomputer interface input Chip select
25	/SCK	I	Microcomputer interface input Serial clock
26	CDI	I	Microcomputer interface input Serial data
27	CDO	O	Microcomputer interface output Serial data
28	SDSY	I	Digital audio input Word clock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! = ⚠ SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
		O	MC1001	8A-CQ0-642-010	CONN ASSY,6P PH 50MM	a
		O	MC1002	8C-AVF-201-010	FOOT,22-7	a
		X	MC1003	8C-AVF-007-010	CABI,BTTM U DVD	a
		O	MC1004	8C-AV6-010-010	PANEL,SIDE (B)	a
		X	MC1005	8C-AV6-602-010	PWB,MAIN KR	a
		O	MC1006	8C-AV6-613-010	FF-CABLE,25P RF	a
		O	MC1007	8C-AVF-003-010	PANEL,REAR (B)	a
		O	MC1008	8C-AVF-004-010	WINDOW,FR DVD	a
		O	MC1009	87-B00-043-010	BADGE,AIWA 25 ABS SIL ND063	a
		O	MC1010	8C-AVF-012-010	CABI,FR DVD U	a
		O	MC1011	8C-AV6-007-010	KEY,PLAY	a
		O	MC1012	8C-AV6-006-010	KEY,POWER	a
		O	MC1013	8C-AV6-610-010	LCD,CAV-6	a
		X	MC1014	8C-AV6-205-010	SH,LCD	a
		X	MC1015	8C-AV6-202-110	LENS,LCD	a
		X	MC1016	8C-AV6-209-010	COVER, LCD	a
		X	MC1017	8C-AV6-212-010	CUSH, 10-4.8-4	a
		X	MC1018	8C-AV6-201-210	HLDR,LCD	a
		X	MC1019	8C-AV6-605-110	PWB,FRONT 4M	a
		O	MC1020	87-036-389-010	SW,PUSH 1-1-1 R8120125	a
						XD-SDV1 YUSM
		O	MC1021	8C-AV6-614-010	CONN ASSY,2P V WHT LID-130	a
		O	MC1022	8C-AV6-004-210	LID,DISC	a
		O	MC1023	8C-AV6-204-010	SPR-T,LID	a
		O	MC1024	8A-NFA-231-010	OIL-DMPR,70	a
		O	MC1025	8C-AVF-013-110	CABI,TOP DVD U	a
		O	MC1026	8C-AV6-015-110	PANEL,MECHA N	a
		O	MC1027	M8-BZK-690-070	KHM-230	a
		O	MC1028	8A-ZG3-217-010	CUSHION,45BLK	a
		O	MC1029	8C-AV6-208-010	SPACER,MECHA	a
		O	MC1030	8C-AV6-211-010	FELT,9.2-4.2-3	a
		O	MC1031	8C-AVF-202-010	FOOT,EVA 6 15	a
		O	MC1032	87-B10-028-010	W-M,3.2-11.5-1	a
		O	MC1A	8A-ZG1-201-010	S-SCREW,MECH 880	a
		O	MC1B	87-067-703-010	BVT2+3-10 W/0 SL0T	a
		O	MC1C	87-067-581-010	BVT2+3-15 W/0 SL0T	a
		O	MC1D	87-743-096-410	UT2+3-10 W/O SLOT BLK	a
		O	MC1E	82-NE8-215-010	W,4.2-6.8-0.18	a
		O	MC1F	87-B10-415-010	VFT2+3-25 W/O SLOT	a

COLOR NAME TABLE -1/1

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						XD-SDV1 YUSM
		X		93-704-281-010	BAG,FOAMED 0.31-300-300	a
		X		8C-AVF-851-010	CUSHION,LEFT CAVF	a
		X		8C-AVF-852-010	CUSHION,RIGHT CAVF	a
		X		8C-AVF-972-010	LBL,POP K2	a
		X		8C-AV6-216-010	CLOTH,3-10-0.5	a
		X		82-JT1-206-010	CLOTH,15-50-0.5	a
		X		89-900-121-110	WIRE,U26X0-12-3/3	a
		X		89-902-121-110	WIRE,U26X2-12-3/3	a
		X		87-B40-419-010	LBL,CAUTION DVD	a
		X		84-711-909-010	LBL DATE CODE	a
		X		8C-AA5-013-010	LBL,CAUTION LH	a

SPEAKER PARTS LIST -1/1

! = ⚠ SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						SX-SDV1 YJSN
		O	SP1001	8C-AS5-002-01	903-1GCAV-5S GRILLE,FRAME SPK	a
		O	SP1002	8C-AS5-006-11	BADGE,AIWA SPKR 25 SIL ND063	a
		X	SP1003	8C-AS5-004-01	NET,SPKR 801K-11	a
		O	SP1004	8C-AS5-601-01	SPKR,80 8OHM 30W	a
		O	SP1005	8C-AS5-007-01	TERMINAL,SPKR	a
		O	SP1006	8C-AS5-009-01	TERMINAL,SPKR SX-DV1	a
		O	SP1007	8C-AS5-003-01	401-CCAV-5S CABI,REAR SPKR	a
		O	SP1008	8C-AS5-001-01	401-FCAV-5S CABI,FR SPKR	a
		O	SP1009	8C-AS5-005-01	437-CAV-5 FOOT,SPKR	a
		X	SP1010	8C-AS5-008-01	LBL,SPEC SATELLITE	a
		O	SP2001	8C-AS5-020-01	190-CAV-5W TERMINAL,SUB WF	a
		O	SP2002	8C-AS5-011-01	401-FCAV-5W CABI,FR SUB WF	a
		O	SP2003	8C-AS5-012-11	GRILLE,FRAME SUB WF	a
		X	SP2004	8C-AS5-019-01	NET,SUB WF 801K-11	a
		O	SP2005	8C-AS5-013-11	PANEL,DUCT RING S-WF	a
		O	SP2006	8C-AS5-014-01	PANEL,DUCT TOP SUB WF	a
		O	SP2007	8C-AS5-015-01	PLATE,L SUB WF	a
		O	SP2008	8C-AS5-016-01	PLATE,R SUB WF	a
		O	SP2009	8C-AS5-018-01	PLATE,REAR SUB WF	a
		O	SP2010	8C-AS5-017-01	PLATE,TOP/BTM SUB WF	a
						SX-SDV1 YJSN
		O	SP2011	8C-AS5-602-01	SPKR,130 8OHM 30W	a
		O	SP2012	8C-AS5-006-11	BADGE,AIWA SPKR 25 SIL ND063	a
		X	SP2013	8C-AS5-021-01	LBL,SPEC SUB WF	a

SPEAKER OTHER PARTS LIST -1/1

! = ⚠ SAFTY PARTS
C = Components marked
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However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						SX-SDV1 YJSN
		X		8C-AS5-851-01	CUSHION,ASSY DHM	a